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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GTX300115

Internal Controls Antibody Panel- monoclonal

Product Content

Cat No	Product Name	Reactivity	Application	Package
GTX627408	GAPDH antibody [GT239]	Human, Mouse, Rat, Zebrafish, Yeast, Drosophila, Dog, Pig, Monkey, Candida albicans, E. coli	WB, ICC/IF, IHC-P, EMSA	10 µl
GTX629630	beta Actin antibody [GT5512]	Human, Mouse, Rat, Zebrafish, Yeast, Rabbit, Goat, Drosophila, Cat, Dog, Monkey, Xenopus	WB, ICC/IF, IHC-P, IP	10 µl
GTX70220	Nuclear Matrix Protein p84 antibody [5E10]	Human, Mouse, Rat, Hamster, Monkey	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC	10 µl

Note

For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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GAPDH antibody [GT239]

Cat. No. GTX627408

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Application	WB, ICC/IF, IHC-P, EMSA
Reactivity	Human, Mouse, Rat, Zebrafish, Yeast, Drosophila, Dog, Pig, Monkey, Candida albicans, E. coli

Reference (423)

★★★★★ Review (155)

Package

100 µl, 25 µl

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
EMSA	Assay dependent

Not tested in other applications.

Calculated MW 36 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human GAPDH. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated



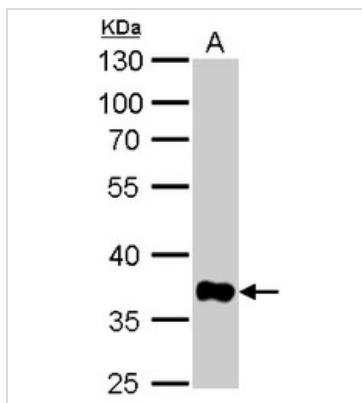
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX627408 WB Image

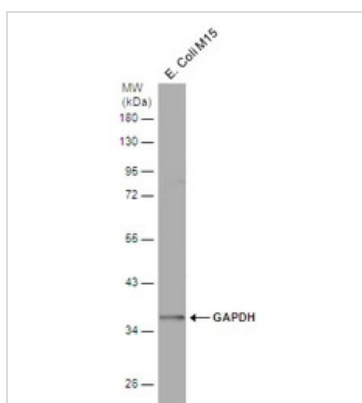
GAPDH antibody [GT239] detects GAPDH protein by western blot analysis.

A. 30 µg yeast whole cell lysate/extract

10% SDS-PAGE

GAPDH antibody [GT239] (GTX627408) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

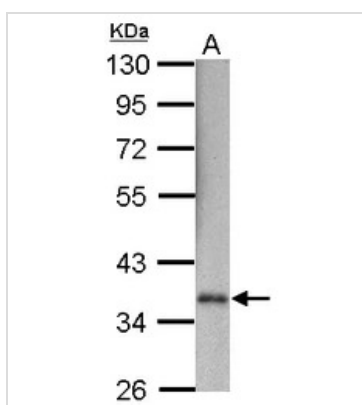


GTX627408 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH

antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody

(GTX213111-01) was used to detect the primary antibody.



GTX627408 WB Image

Sample (30 µg of whole cell lysate)

A: Drosophila

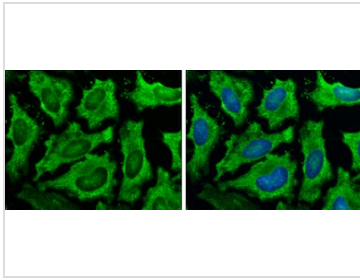
10% SDS PAGE

GTX627408 diluted at 1:5000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

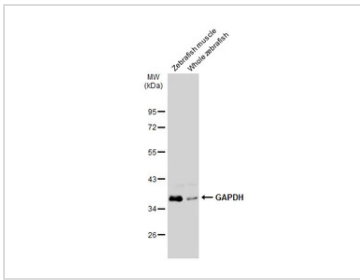


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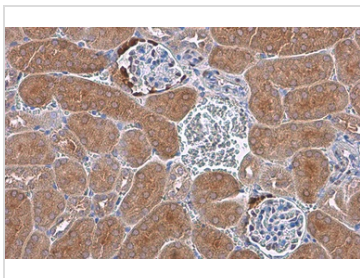
GTX627408 ICC/IF Image

GAPDH antibody [GT239] detects GAPDH protein at cytoplasm by immunofluorescent analysis.
 Sample: HeLa cells were fixed in ice-cold MeOH for 5 min.
 Green: GAPDH stained by GAPDH antibody [GT239] (GTX627408) diluted at 1:500.
 Blue: Hoechst 33342 staining.



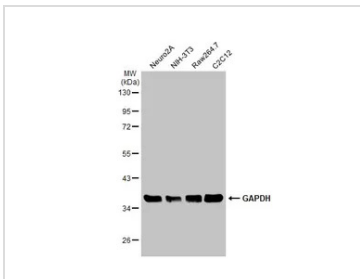
GTX627408 WB Image

Various tissue extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



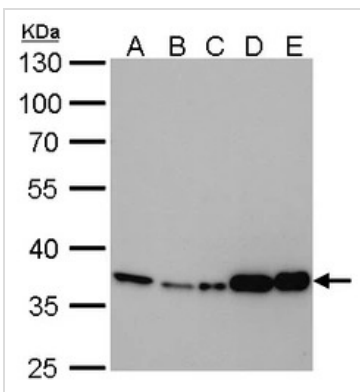
GTX627408 IHC-P Image

GAPDH antibody [GT239] detects GAPDH protein at cytoplasm by immunohistochemical analysis.
 Sample: Paraffin-embedded mouse kidney.
 GAPDH stained by GAPDH antibody [GT239] (GTX627408) diluted at 1:200.
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX627408 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

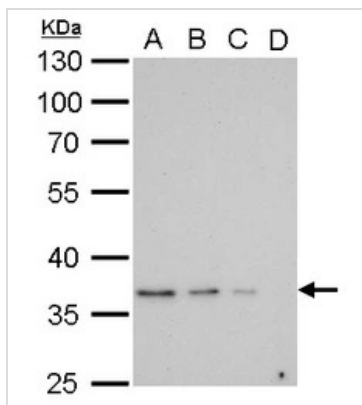


GTX627408 WB Image

GAPDH antibody [GT239] detects GAPDH protein by western blot analysis.
 A. 30 µg 293T whole cell lysate/extract
 B. 30 µg NIH-3T3 whole cell lysate/extract
 C. 30 µg mouse brain lysate/extract
 D. 30 µg PC-12 whole cell lysate/extract
 E. 30 µg rat brain lysate/extract
 10% SDS-PAGE
 GAPDH antibody [GT239] (GTX627408) dilution: 1:10000
 The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



For full product information, images and publications, please visit our [website](#).


GTX627408 WB Image

GAPDH antibody [GT239] detects GAPDH protein by western blot analysis.

A. 20 µg 293T whole cell lysate/extract

B. 10 µg 293T whole cell lysate/extract

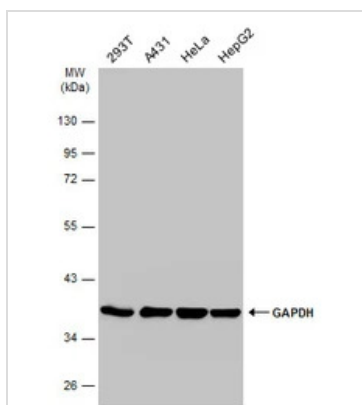
C. 5 µg 293T whole cell lysate/extract

D. 1 µg 293T whole cell lysate/extract

10% SDS-PAGE

GAPDH antibody [GT239] (GTX627408) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


GTX627408 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with

GAPDH antibody [GT239] (GTX627408) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody

(GTX213111-01) was used to detect the primary antibody.



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beta Actin antibody [GT5512]

Cat. No. GTX629630

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat, Zebrafish, Yeast, Rabbit, Goat, Drosophila, Cat, Dog, Monkey, Xenopus

Reference (133)

★★★★☆ Review (26)

Package

100 µl, 25 µl

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	Assay dependent

Not tested in other applications.

Calculated MW 42 kDa. ([Note](#))**Product Note** IP/MS validation was supported by references (PMID:30377426)

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human beta Actin. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

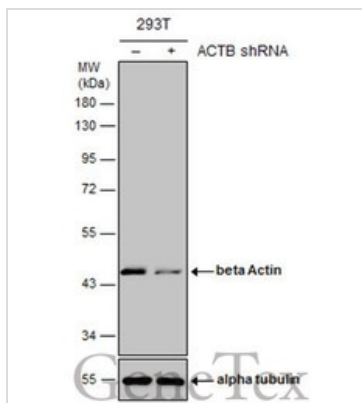
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Note

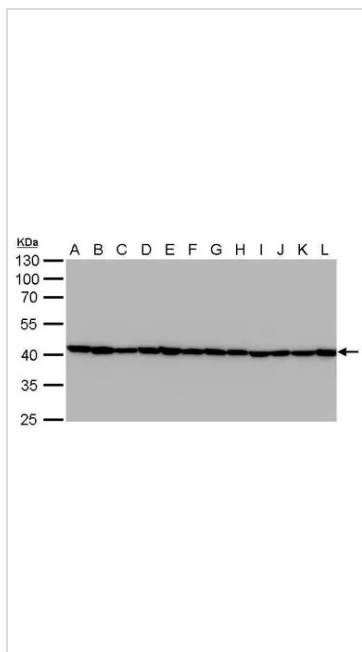
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DATA IMAGES



GTX629630 WB Image

Non-transfected (-) and transfected (+) 293T whole cell extracts (10 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [GT5512] (GTX629630) diluted at 1:20000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

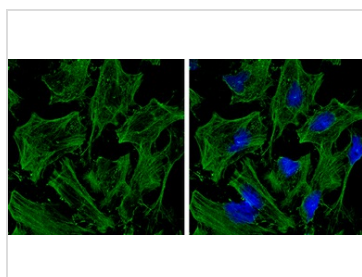
Beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

- A. 30 µg Jurkat whole cell lysate/extract
- B. 30 µg Raji whole cell lysate/extract
- C. 30 µg 293T whole cell lysate/extract
- D. 30 µg A431 whole cell lysate/extract
- E. 30 µg HeLa whole cell lysate/extract
- F. 30 µg HepG2 whole cell lysate/extract
- G. 30 µg H1299 whole cell lysate/extract
- H. 30 µg HCT116 whole cell lysate/extract
- I. 30 µg MCF-7 whole cell lysate/extract
- J. 30 µg NT2D1 whole cell lysate/extract
- K. 30 µg PC-3 whole cell lysate/extract
- L. 30 µg U87-MG whole cell lysate/extract

10% SDS-PAGE

Beta Actin antibody [GT5512] (GTX629630) dilution: 1:20000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 ICC/IF Image

beta Actin antibody [GT5512] detects beta Actin protein at cytoskeleton by immunofluorescent analysis.

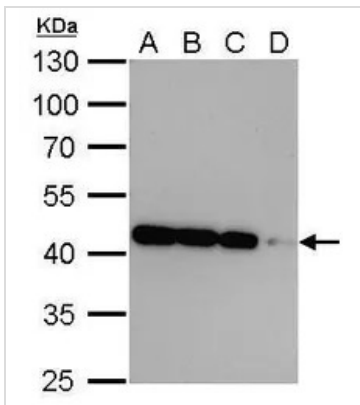
Sample: HeLa cells were fixed in 0.5% Triton X-100 for 1 min, then ice-cold methanol for 5 min.

Green: beta Actin protein stained by beta Actin antibody [GT5512] (GTX629630) diluted at 1:500.

Blue: Hoechst 33342 staining.



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GTX629630 WB Image

Beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

A. 20 µg 293T whole cell lysate/extract

B. 10 µg 293T whole cell lysate/extract

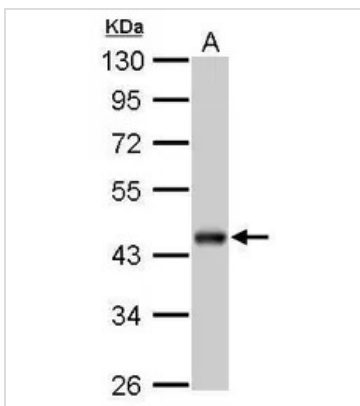
C. 5 µg 293T whole cell lysate/extract

D. 1 µg 293T whole cell lysate/extract

10% SDS-PAGE

Beta Actin antibody [GT5512] (GTX629630) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

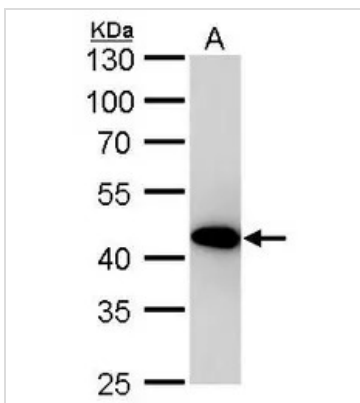
Beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

A. 30 µg drosophila lysate/extract

10% SDS-PAGE

Beta Actin antibody [GT5512] (GTX629630) dilution: 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

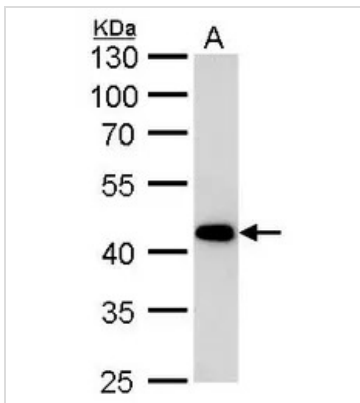
beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

A. 30 µg goat blood lysate/extract

10% SDS-PAGE

beta Actin antibody [GT5512] (GTX629630) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

A. 30 µg rabbit blood lysate/extract

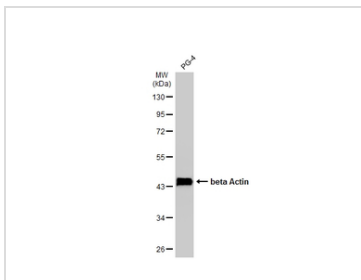
10% SDS-PAGE

beta Actin antibody [GT5512] (GTX629630) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

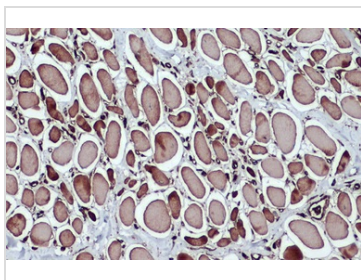


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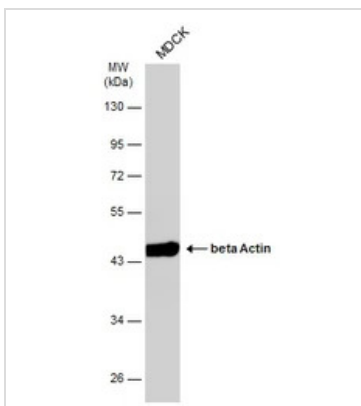
GTX629630 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody (GTX629630) diluted at 1:20000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



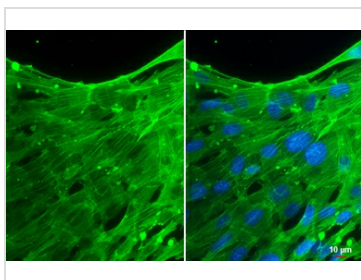
GTX629630 IHC-P Image

beta Actin antibody [GT5512] detects beta Actin protein at cytoplasm by immunohistochemical analysis.
 Sample: Paraffin-embedded dog muscle.
 beta Actin stained by beta Actin antibody [GT5512] (GTX629630) diluted at 1:200.
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX629630 WB Image

Whole cell extract (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody (GTX629630) diluted at 1:20000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.

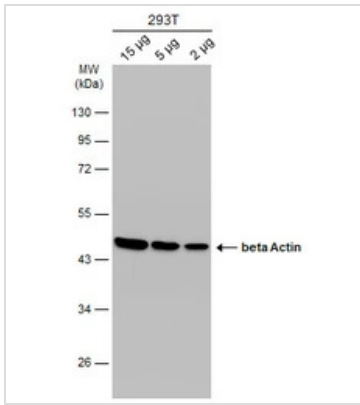


GTX629630 ICC/IF Image

beta Actin antibody detects beta Actin protein at cytoskeleton by immunofluorescent analysis.
 Sample: PG-4 cells were fixed in ice-cold MeOH for 5 min.
 Green: beta Actin stained by beta Actin antibody? (GTX629630) diluted at 1:500.
 Blue: Hoechst 33342 staining.
 Scale bar= 10 µm.

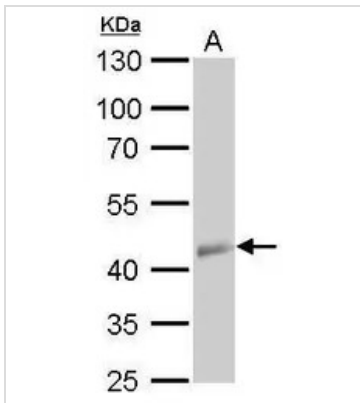


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GTX629630 WB Image

Various whole cell extracts (15 | 5 | 2 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody [GT5512] (GTX629630) diluted at 1:2000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

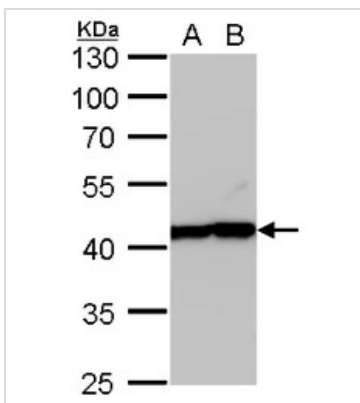
beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

A. 30 µg 30 hpf zebrafish lysate/extract

10% SDS-PAGE

beta Actin antibody [GT5512] (GTX629630) dilution: 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 WB Image

beta Actin antibody[GT5512] detects beta Actin protein by western blot analysis.

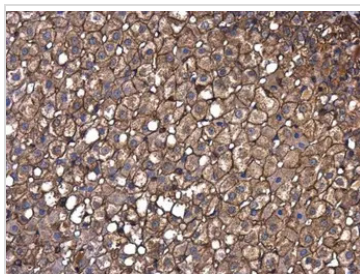
A. 30 µg MCF-7 whole cell lysate/extract

B. 30 µg MDA-MB-231 whole cell lysate/extract

10% SDS-PAGE

beta Actin antibody[GT5512] (GTX629630) dilution: 1:20000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX629630 IHC-P Image

beta Actin antibody [GT5512] detects beta Actin protein at cell membrane and cytoplasm in rat adrenal gland by immunohistochemical analysis.

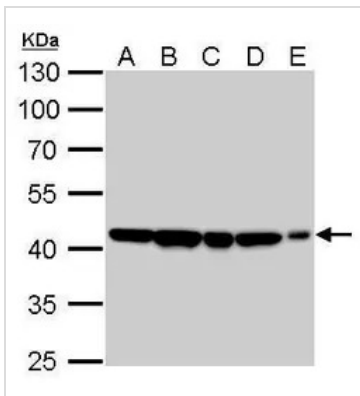
Sample: Paraffin-embedded rat adrenal gland.

beta Actin antibody [GT5512] (GTX629630) diluted at 1:250.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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GTX629630 WB Image

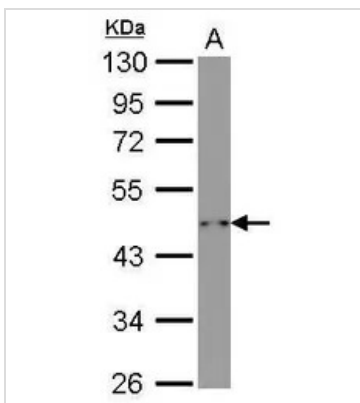
Beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

- A. 30 µg 293T whole cell lysate/extract
- B. 30 µg NIH-3T3 whole cell lysate/extract
- C. 30 µg mouse brain lysate/extract
- D. 30 µg PC-12 whole cell lysate/extract
- E. 30 µg rat brain lysate/extract

10% SDS-PAGE

Beta Actin antibody [GT5512] (GTX629630) dilution: 1:10000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


GTX629630 WB Image

beta Actin antibody [GT5512] detects beta Actin protein by western blot analysis.

- A. 10 µg yeast lysate/extract

10% SDS-PAGE

beta Actin antibody [GT5512] (GTX629630) dilution: 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



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Nuclear Matrix Protein p84 antibody [5E10]

Cat. No. GTX70220

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Application	WB, ICC/IF, IHC-P, IP, ChIP assay, IHC
Reactivity	Human, Mouse, Rat, Hamster, Monkey

Reference (158)

★★★★★ Review (18)

Package
100 µl

PRODUCT

Summary

Nuclear Matrix Protein p84 antibody detects THO complex subunit 1, which is an 84 kDa nuclear matrix protein often referred to as just "p84". p84 is involved in mRNA transcription and is considered to be a nuclear marker. p84 antibody is an effective reagent used to verify the purity of nuclear extracts in cellular fractionation assays.

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	0.3 - 2 µg/ml
ICC/IF	0.5 - 2 µg/ml
IHC-P	Assay dependent
IP	1:100-1:500
ChIP assay	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Calculated MW 76 kDa. ([Note](#))

Product Note Knockdown/Knockout validation was supported by references (PMID:25296641)

PROPERTIES

Form	Liquid
Buffer	1XPBS pH7, 20% Glycerol
Preservative	No Preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)



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Immunogen Amino acids 15-374 of human p84 expressed in E. coli.

Purification Protein G purified

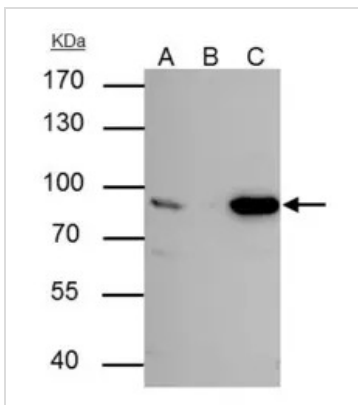
Conjugation Unconjugated

Note

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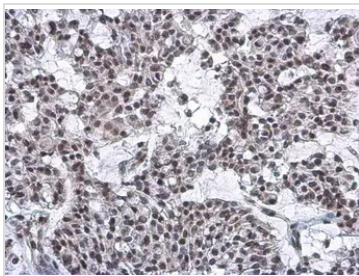
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DATA IMAGES



GTX70220 IP Image

p84 antibody [5E10] immunoprecipitates p84 protein in IP experiments. IP Sample: HepG2 whole cell lysate/extract A : 30 µg whole cell lysate/extract of p84 protein expressing HepG2 cells B : Control with 3 µg of pre-immune mouse IgG C : Immunoprecipitation of p84 by 3 µg of p84 antibody [5E10] (GTX70220) 7.5% SDS-PAGE The immunoprecipitated p84 protein was detected by p84 antibody [5E10] (GTX70220) diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) (GTX221667-01) was used as a secondary reagent.



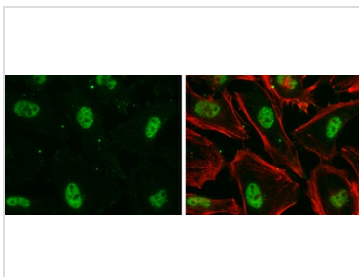
GTX70220 IHC-P Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human breast carcinoma.

Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:200.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX70220 ICC/IF Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunofluorescent analysis.

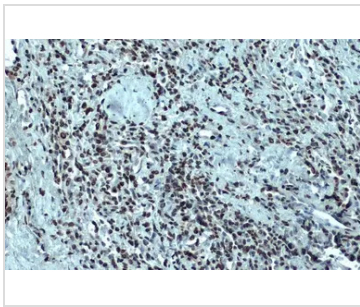
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:500.

Red: phalloidin, a cytoskeleton marker, diluted at 1:100.



For full product information, images and publications, please visit our [website](https://www.genetex.com).



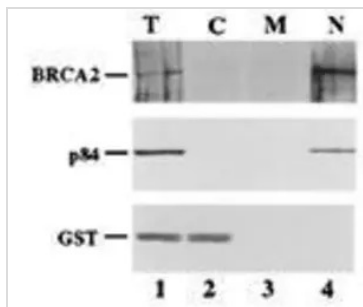
GTX70220 IHC-P Image

Nuclear Matrix Protein p84 antibody [5E10] detects Nuclear Matrix Protein p84 protein at nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded human lung cancer.

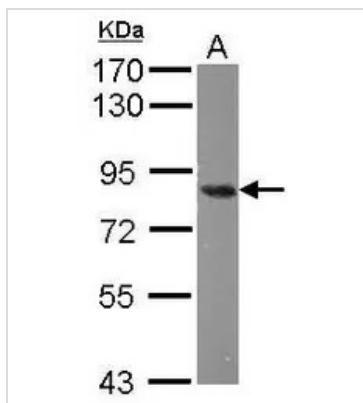
Nuclear Matrix Protein p84 stained by Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX70220 WB Image

Detection of human p84/N5 in nuclear fraction by anti-p84/N5 5E10 monoclonal antibody (GTX70220) in western blot experiment. Lane 1: total lysate, Lane 2: cytoplasmic fraction, Lane 3: membrane fraction, Lane 4: nuclear fraction.



GTX70220 WB Image

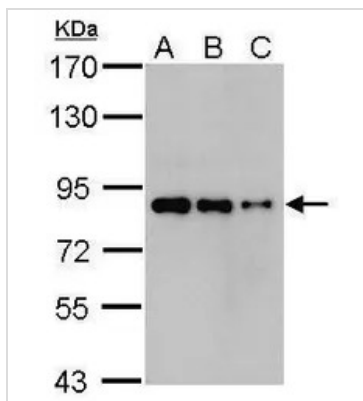
Sample (50 µg of whole cell lysate)

A: mouse Cerebellum

7.5% SDS PAGE

GTX70220 diluted at 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



GTX70220 WB Image

Sample (whole cell lysate)

A: 293T 20ug

B: 293T 10ug

C: 293T 5ug

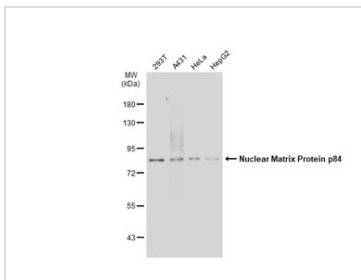
7.5% SDS PAGE

GTX70220 diluted at 1:1000

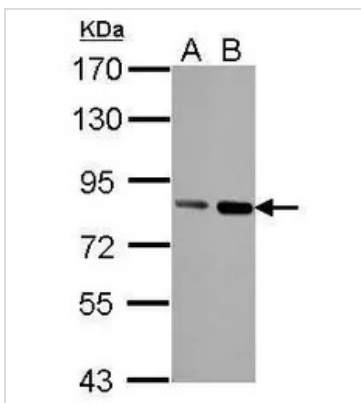
The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



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GTX70220 WB Image

Various whole cell extracts (30 μ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Nuclear Matrix Protein p84 antibody [5E10] (GTX70220) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


GTX70220 WB Image

Sample (30 μ g of whole cell lysate)

A: HeLa

B: HeLa nucleus

7.5% SDS PAGE

GTX70220 diluted at 1:1000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



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