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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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P110, (mitochondrial membrane protein) . Mouse Monoclonal Antibody

Background

P110 is a human mitochondrial protein with a molecular weight of 110 kDa. Close examination of the staining pattern in HeLa and Fanconi's Anemia cells reveal differences in the morphology and organization of mitochondria in these two cell types. The epitope targeted may serve as a valuable marker in the investigation of relationships between mitochondria and other cellular structures in human cells. The mouse monoclonal P110 antibody labels mitochondria in human cells, as assessed by double staining with either Rhodamine 123 or a polyclonal antibody to mitochondrial matrix HSP-60 proteins. The P110 antigen has an approximate isoelectric point of 6.5 that copartitions with HSP-60 proteins during isolation of mitochondria from HeLa cells. The P110 staining pattern in HeLa and Fanconi's anaemia cells reveals differences in the morphology and organization of mitochondria in these two cell types. In HeLa cells, mitochondria appear as individual tubular compartments of variable length and are closely associated with vimentin filaments, particularly at the periphery of the nucleus. In Fanconi's anaemia cells, mitochondria have a filamentous shape and form an interconnected cytoplasmic reticulum running in parallel with both vimentin filaments and microtubules. After stabilization with aldehyde- or alcohol-based fixation protocols that optimize the preservation of cytoskeletal components, the epitope targeted by the 2G2 antibody may serve as a valuable marker in the investigation of relationships between mitochondria and other cellular structures in human cells.

Ordering Information

Catalog Number
A115M

Size
100 µg

Form
Unconjugated

Host/Clone
Mouse Clone 2G2

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
See vial for concentration

Isotype
IgG1

Applications
Western Blot, Immunofluorescense

Species Reactivity
Human, Monkey

Accession Number
Q9KGY0, Human

Immunogen

Skeletal fracrtion of HeLa-S3 cells

Positive Control/Tissue Expression

Comments

Application: Western Blot at 2-10 ug/ml. Immunofluorescence staining.

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PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Paulin-Levasseur M; Chen G; Larivi`ere C. The 2G2 antibody recognizes an acidic 110-kDa human mitochondrial protein, Histochem J, 30(9):617-25 1998.

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