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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

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Rb (Retinoblastoma). Mouse Monoclonal Antibody

BACKGROUND

The immunogen for the anti-human retinoblastoma (Rb) was a recombinant protein corresponding to amino acids 393 to 572 of the human retinoblastoma sequence. Retinoblastoma encodes a phosphorylated protein p110 and binds and regulates E2F transcription factors. Rb functions as a major cell cycle regulator by its ability to repress gene transcription by all three RNA polymerases. In its hypophosphorylated form, Rb binds to a subset of E2F containing complexes converting them to repressors preventing expression of E2F target genes. These complexes repress transcription via E2F binding elements in the promoters of cell cycle control genes, such as E2F-1, c-myc, and cdc2 genes.

IMMUNOGEN

A recombinant protein corresponding to amino acids 393 to 572 of the human retinoblastoma sequence

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Applications: Immunoprecipitation (not recommended for Western blotting or immunohistochemistry).

ORDERING INFORMATION

CATALOG NUMBER

N120M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone XZ104

FORMULATION

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

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Immunoprecipitation

SPECIES REACTIVITY

Human

ACCESSION NUMBER

P06400, Human

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Room Temperature

STORAGE CUSTOMER

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

STABILITY

Antibodies are stable for one year from purchase if stored frozen

REFERENCES

- 1) Hu, Q.J., et. al. "Antibodies specific for the human retinoblastoma protein identify a family of related polypeptides." Mol. Cell Biol. 1991, 11: 5792-5799
- 2) Harlow, E., "Retinoblastoma. For our eyes only." Nature 1992, 359, 270-271
- 3) Dyson, N., et al. "Adenovirus E1A makes two distinct contacts with the retinoblastoma protein." J. Virol. 1992, 4606-4611
- 4) Zarkowska, T., et al., "Monoclonal antibodies specific for underphosphorylated retinoblastoma protein identify a cell cycle regulated phosphorylation site targeted by CDKs." Oncogene 1997, 14, 249-254
- 5) Lai, A., et al. "RBP1 Recruits the mSIN3-Histone Deacetylase Complex to the Pocket of Retinoblastoma Tumor Suppressor Family Proteins Found in Limited Discrete Regions of the Nucleus at Growth Arrest.