RB1 monoclonal antibody, clone XZ133

Catalog # MAB2007 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant RB1.
Immunogen	Recombinant protein corresponding to amino acids 387-982 of human RB1.
Host	Mouse
Reactivity	Chicken, Human, Mouse
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation

Gene Info — RB1

Entrez GeneID	5925
Gene Name	RB1

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Gene Alias	OSRC, RB, p105-Rb, pRb, pp110
Gene Description	retinoblastoma 1
Omim ID	109800 180200 259500
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor s uppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to mainta in the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcr iption factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bla dder cancer, and osteogenic sarcoma. [provided by RefSeq
Other Designations	OTTHUMP00000018397|retinoblastoma suspectibility protein|retinoblastoma-associated protein

Publication Reference

- Antibodies specific for the human retinoblastoma protein identify a family of related polypeptides.

  Hu QJ, Bautista C, Edwards GM, Defeo-Jones D, Jones RE, Harlow E.

  Molecular and Cellular Biology 1991 Nov; 11(11):5792.

  Application: Func, IP, Chicken, Human, Mouse, Chicken embryo fibroblasts, ML-1, NS-1 cells

Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Glioma
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer

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Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosomal Instability
- Chromosome Aberrations
- Chromosome Deletion
- Colorectal Neoplasms
- Cystadenocarcinoma
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Neoplasm Invasiveness
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pulmonary Disease
- Retinal Neoplasms
- Retinoblastoma

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- Tobacco Use Disorder

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