RB1 monoclonal antibody, clone 1E5

Catalog # MAB2167 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant RB1.
Immunogen	Recombinant protein corresponding to amino acids 511-530 of RB1.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes an epitope within aa 511-530 of RB1.
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, pH 7.4
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot

Gene Info — RB1

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Entrez GeneID	5925
Gene Name	RB1
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 suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq
Other Designations	OTTHUMP00000018397|retinoblastoma suspectibility protein|retinoblastoma-associated protein

Publication Reference

- Retinoblastoma protein monoclonal antibodies with novel characteristics.

  S F Wen, M Nodelman, K Nared-Hood, J Duncan, J Geradts, H M Shepard.

  Journal of Immunological Methods 1994 Mar; 169(2):231.

  Application: ELISA, Flow Cyt, IHC-P, IP, WB-Ce, Human, Mouse, A-549, H146, H209, H596, HeLa, Human bladder carcinoma, Human prostatic adenocarcinoma, SK-OV-3 cells, Recombinant proteins

Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Glioma
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer

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- Pathways in cancer
- Prostate cancer
- Small cell lung cancer

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

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- Pulmonary Disease
- Retinal Neoplasms
- Retinoblastoma
- Tobacco Use Disorder

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