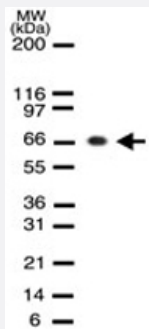


RB1 monoclonal antibody, clone 172C1094

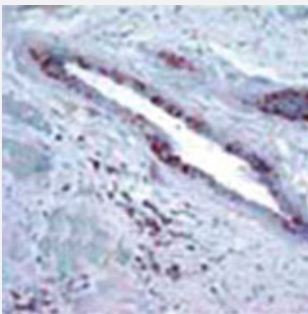
Catalog # MAB0096 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis : HL-60 cells were treated with camptothecin for 24 hours.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of RB1. Using RB1 monoclonal antibody, clone 172C1094 (Cat # MAB0096) in sections of primary human breast tumors. Image courtesy of Dr. Macleod, The Ben May Institute for Cancer Research, The University of Chicago.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of RB1.
Immunogen	A synthetic peptide corresponding to the caspase-3-induced cleavage site of human RB1.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis : HL-60 cells were treated with camptothecin for 24 hours.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of RB1. Using RB1 monoclonal antibody, clone 172C1094 (Cat # MAB0096) in sections of primary human breast tumors. Image courtesy of Dr. Macleod, The Ben May Institute for Cancer Research, The University of Chicago.

Gene Info — RB1

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 susceptibility protein retinoblastoma-associated protein

Publication Reference

- [Dysregulation of miR-106a and miR-591 confers paclitaxel resistance to ovarian cancer.](#)

Huh JH, Kim TH, Kim K, Song JA, Jung YJ, Jeong JY, Lee MJ, Kim YK, Lee DH, An HJ.

British Journal of Cancer 2013 Jul; 109(2):452.

Application: WB-Tr, Human, SKOV3, SKP10, SKP16 cells

- [A novel form of pRb expressed during normal myelopoiesis and in tumour-associated macrophages.](#)

Liu HP, Thompson AM, Macleod KF.

Cell proliferation 2005 Jan; 38(1):13.

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](#)

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](#)
- [Tobacco Use Disorder](#)