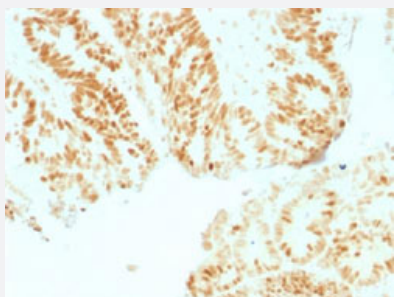


RB1 monoclonal antibody, clone RB1/1754

Catalog # MAB14675 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with RB1 monoclonal antibody, clone RB1/1754 (Cat # MAB14675).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human RB1.
Immunogen	Recombinant protein corresponding to full length human RB1.
Host	Mouse
Theoretical MW (kDa)	105
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 - 2 ug/mL) Immunoprecipitation (0.5 - 1 ug/500 ug protein lysate) Western Blot (0.5 - 1 ug/mL) 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.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with RB1 monoclonal antibody, clone RB1/1754 (Cat # MAB14675).
- Immunoprecipitation

Gene Info — RB1

Entrez GeneID

[5925](#)

Protein Accession#

[P06400](#)

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

- [Cellular localization and T antigen binding of the retinoblastoma protein.](#)

Bártek J, Vojtěšek B, Grand RJ, Gallimore PH, Lane DP.

Oncogene 1992 Jan; 7(1):101.

- [The expression of the retinoblastoma gene product Rb1 in primary and adenovirus-transformed human cells.](#)

Grand RJ, Byrd PJ, Grabham PW, Gregory CD, Huen DS, Merrick RM, Young LS, Gallimore PH.

Oncogene 1989 Nov; 4(11):1291.

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](#)