

RB Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2508
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human RB expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	RB;pRb;OSRC;pp110;p105-Rb;RB1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The Rb protein regulates differentiation, apoptosis, and cell cycle control by coordinating the cell cycle at G1-S with transcriptional machinery. During G1, cyclin D-dependent kinase-mediated phosphorylation of Rb at Ser-795 marks the conversion of Rb from a transcriptionally repressive, hypophosphorylated state to an inactive, phosphorylated state, which may be sustained through mitosis by differential phosphorylation of up to 16 putative serine or threonine residues. Pediatric cancer retinoblastoma and the formation of other human tumors can be attributed to mutations in the retinoblastoma tumor suppressor gene(Rb).

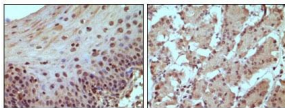
Recommended Dilution

IHC-p: 1:200 - 1:1000

ELISA: 1:10000

Not yet tested in other applications.

Images



Immunohistochemical staining of paraffin-embedded human normal esophagus (A) and stomach (B) tissue, showing nucleus localization using Rb mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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