Product Datasheet

Rb Rabbit mAb

Catalog No: #48804

Package Size: #48804-1 50ul #48804-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

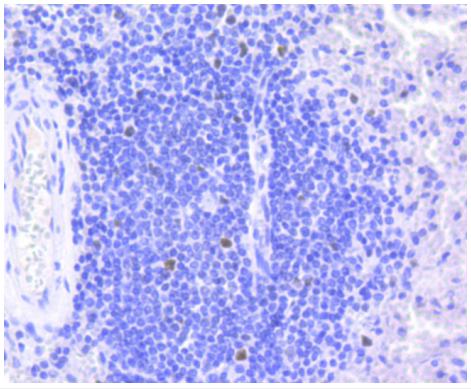
Description

Product Name	Rb Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY63-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	Exon 17 tumor GOS561 substitution mutation causes premature stop antibody GOS563 exon 17 substitution mutation causes premature stop antibody OSRC antibody Osteosarcoma antibody p105-Rb antibody P105RB antibody PP105 antibody pp110 antibody PPP1R130 antibody pRb antibody Prepro retinoblastoma associated protein antibody Protein phosphatase 1 regulatory subunit 130 antibody Rb antibody RB transcriptional corepressor 1 antibody RB_HUMAN antibody RB1 antibody RB1 gene antibody Retinoblastoma 1 antibody Retinoblastoma suspectibility protein antibody Retinoblastoma-associated protein antibody
Accession No.	Swiss-Prot#:P06400
Uniprot	P06400
GeneID	5925;
Calculated MW	105 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

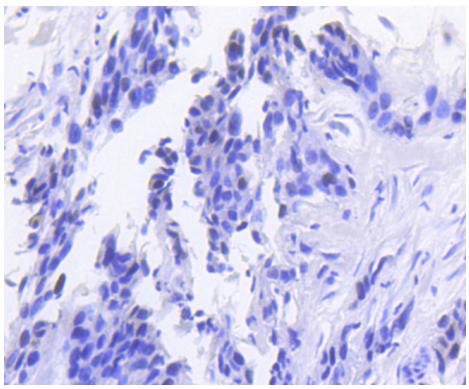
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200ICC: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Rb antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Rb antibody. Counter stained with hematoxylin.

Background

Pediatric cancer retinoblastoma and the formation of other human tumors can be attributed to mutations in the retinoblastoma tumor suppressor gene. The retinoblastoma tumor suppressor gene product, known as Rb or pRb, regulates differentiation, apoptosis and cell cycle control by coordinating the cell cycle, at G1/S, with transcriptional machinery that includes the heterodimeric E2F family. During G1, cyclin D (D1, D2, D3)-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, including Ser 249/Thr 252, Thr 373, Thr 356, Ser 780, Ser 807/Ser 811 and Thr 821/Thr 826. Hypophosphorylated Rb represses the transcription of genes controlling cell cycle through direct protein-protein interactions, by binding and inactivating the promoters of transcription factors, and through recruitment of histone deacetylase, which deacetylates promoter regions and enhances nucleosome formation, thereby masking transcription enhancing cis elements.

References

Note: This product is for in vitro research use only