

Rabbit anti-Human RB1 Polyclonal Antibody | anti-RB1 antibody

RB1 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60050	Rabbit	Human	Western Blot, Immunoprecipitation

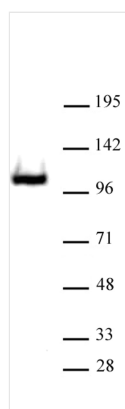
PRODUCT SYNONYMS

RB1; Polyclonal Antibody; RB1 antibody (pAb); RB; pRb; OSRC; pp110; p105-Rb; PPP1R130; anti-RB1 antibody

PRODUCT SPECIFICATIONS

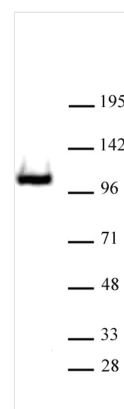
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-RB1 antibody	WB (Western Blot), IP (Immunoprecipitation)
Immunogen	This antibody was raised against a peptide within the C-terminal region of human RB1.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

RB1 antibody (pAb) tested by Western blot. Nuclear extract (30 ug) of Jurkat cells probed with RB1 antibody at a 1:500 dilution.



WB (Western Blot)

RB1 antibody (pAb) tested by Immunoprecipitation. 10 ul of RB1 antibody was used to immunoprecipitate RB1 from 250 ug of Jurkat nuclear cell extract (lane 2). 10 ul of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the RB1 antibody at a dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-RB1 antibody	Short Description: Our RB1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: RB1 (Retinoblastoma 1) is a key regulator of entry into cell division that acts as a tumor suppressor. Promotes G0-G1 transition when phosphorylated by CDK3/cyclin-C. Acts as a transcription repressor of E2F1 target genes. The underphosphorylated, active form of RB1 interacts with E2F1 and represses its transcription activity, leading to cell cycle arrest. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV39H1, SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Inhibits the intrinsic kinase activity of TAF1. Mediates transcriptional repression by SMARCA4/BRG1 by recruiting a histone deacetylase (HDAC) complex to the c-FOS promoter. In resting neurons, transcription of the c-FOS promoter is inhibited by BRG1-dependent recruitment of a phospho-RB1-HDAC1 repressor complex. Upon calcium influx, RB1 is dephosphorylated by calcineurin, which leads to release of the repressor complex (By similarity). In case of viral infections, interactions with SV40 large T antigen, HPV E7 protein or adenovirus E1A protein induce the disassembly of RB1-E2F1 complex thereby disrupting RB1's activity.
Product Categories/Family for anti-RB1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	108773787
NCBI GeneID	5925
NCBI Accession #	NP_000312; AB_2793688
NCBI GenBank Nucleotide #	NM_000321
UniProt Accession #	A8K5E3; P78499; Q5VW46; Q8IZL4; P06400
Molecular Weight	106,159 Da
NCBI Official Full Name	retinoblastoma-associated protein
NCBI Official Synonym Full Names	retinoblastoma 1
NCBI Official Symbol	RB1
NCBI Official Synonym Symbols	RB; pRb; OSRC; pp110; p105-Rb; PPP1R130
NCBI Protein Information	retinoblastoma-associated protein; prepro-retinoblastoma-associated protein; protein phosphatase 1, regulatory subunit 130; retinoblastoma susceptibility protein
UniProt Protein Name	Retinoblastoma-associated protein
UniProt Gene Name	RB1
UniProt Synonym Gene Names	Rb
UniProt Entry Name	RB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rb1-antibody-western-blot-immunoprecipitation-elisa/60050>