

Rabbit anti-Human RB-S811 Antibody | anti-RB1 antibody

Phospho-RB-S811 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36784	Rabbit	Human	Immunofluorescence, Western Blot

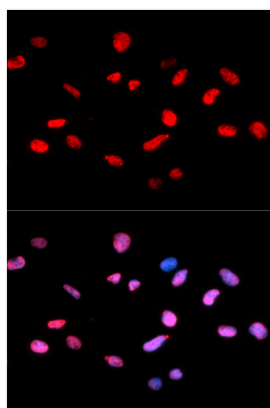
PRODUCT SYNONYMS

RB-S811; Phospho-RB-S811 Polyclonal Antibody; Phospho-RB1-S811: RB1; RB; pRb; OSRC; pp110; p105-Rb; anti-RB1 antibody

PRODUCT SPECIFICATIONS

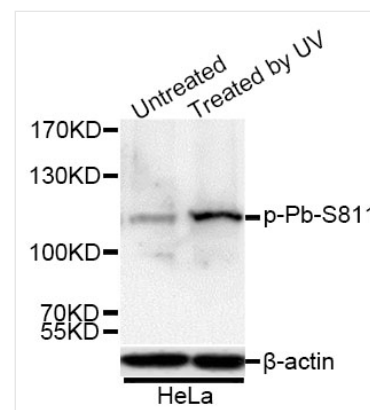
Host	Rabbit
Reactivity	Human
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	928
Applicable Applications for anti-RB1 antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding S811 of human RB
Calculated Molecular Weight	102kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-Rb-S811 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of 293 and HeLa cells, using Phospho-Rb-S811 antibody at 1:1000 dilution. HeLa cells were treated by UV for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-RB1 antibody	The retinoblastoma tumor suppressor protein, Rb, regulates cell proliferation by controlling progression through the restriction point within the G1-phase of the cell cycle (1). Rb has three functionally distinct binding domains and interacts with critical regulatory proteins including the E2F family of transcription factors, c-Abl tyrosine kinase, and proteins with a conserved LXCXE motif (2-4). Cell cycle-dependent phosphorylation by a CDK inhibits Rb target binding and allows cell cycle progression (5). Rb inactivation and subsequent cell cycle progression likely requires an initial phosphorylation by cyclin D-CDK4/6 followed by cyclin E-CDK2 phosphorylation (6). Specificity of different CDK/cyclin complexes has been observed in vitro (6-8) and cyclin D1 is required for Ser780 phosphorylation in vivo (9).
Product Categories/Family for anti-RB1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	132164
NCBI GeneID	5925
UniProt Accession #	P06400; P78499; Q5VW46; Q8IZL4; A8K5E3
Molecular Weight	928
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; retinoblastoma susceptibility protein; prepro-retinoblastoma-associated protein; protein phosphatase 1, regulatory subunit 130
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/rabbit-rb1-human-antibody/rb-s811/36784>