

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

RB1 Antibody (S608)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283763	Rabbit	Human	Immunofluorescence, Western Blot, Immunohistochemistry, ELISA

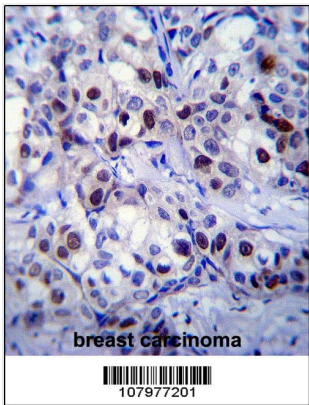
PRODUCT SYNONYMS

RB1; Polyclonal Antibody; RB1 Antibody (S608); Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110; anti-RB1 antibody

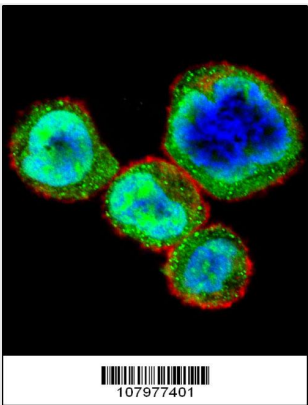
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 586-615 amino acids from human RB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	586-615
Sequence Length	928
Applicable Applications for anti-RB1 antibody	IF (Immunofluorescence), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

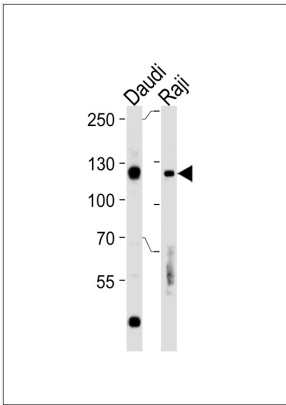
IMAGES



IHC (Immunohistochemisry)
RB1 Antibody (S608) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RB1 Antibody (S608) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of RB1 Antibody (S608) with MDA-MB435 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Rb Antibody (S608) western blot analysis in Daudi,Raji cell line lysates (35ug/lane).This demonstrates the Rb antibody detected the Rb protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RB1 antibody	The retinoblastoma protein is a tumor suppressor protein that is dysfunctional in many types of cancer.[1] One highly studied function of pRb is to prevent excessive cell growth by inhibiting cell cycle progression until a cell is ready to divide. pRb belongs to the pocket protein family, whose members have a pocket for the functional binding of other proteins.[2][3] Should an oncogenic protein, such as those produced by cells infected by high-risk types of human papillomaviruses, bind and inactivate pRb, this can lead to cancer. Retinoblastoma (RB) is an embryonic malignant neoplasm of retinal origin. It almost always presents in early childhood and is often bilateral.
Product Categories/Family for anti-RB1 antibody	Crown Antibodies; Cancer; Cell Biology
References	Dasgupta, P., et al., Mol. Cell. Biol. 24(21):9527-9541 (2004). Cui, X., et al., Hum. Pathol. 35(10):1189-1195 (2004). Borah, S., et al., J. Virol. 78(19):10336-10347 (2004). Dasgupta, P., et al., J. Biol. Chem. 279(37):38762-38769 (2004). Lohmann, D.R., et al., J. Biol. Chem. 129(1):23-28 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	108773787
NCBI GeneID	5925

NCBI Accession #	NP_000312.2
NCBI GenBank Nucleotide #	NM_000321.2
UniProt Accession #	P06400 ; P78499 ; Q5VW46 ; Q8IZL4 ; A8K5E3
Molecular Weight	106159
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
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-immunofluorescence-western-blot-immunohistochemistry-elisa/283763>