

Rabbit anti-Human Phospho-Rb (S788) Polyclonal Antibody | anti-RB1 antibody

Phospho-Rb (S788) Antibody

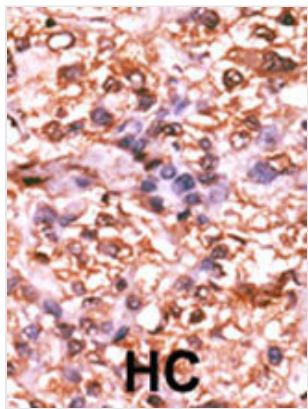
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290108	Rabbit	Human	Immunohistochemistry, ELISA, Dot Blot

PRODUCT SYNONYMS

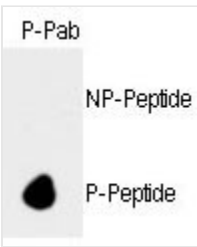
Phospho-Rb (S788); Polyclonal Antibody; Phospho-Rb (S788) Antibody; Retinoblastoma-associated protein; p105-Rb; pRb; Rb; pp110; RB1; anti-RB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Rb Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S788 of human Rb.
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: 0.45 (varies by lot)
Sequence Length	928
Applicable Applications for anti-RB1 antibody	IHC (Immunohistochemistry), ELISA, DB (Dot Blot)
Antigen Type	Synthetic Peptide
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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



DB (Dot Blot)
Dot blot analysis of anti-hRb-S788 Phospho-specific Pab on nitrocellulose membrane. 50ng of nonphospho-peptide or phospho-peptide were adsorbed on their respective dots. Antibody working concentration was 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-RB1 antibody	RB1 likely acts as a regulator of other genes. It forms a complex with adenovirus E1A and with SV40 large T antigen, acts as a tumor suppressor, and may bind and modulate functionally certain cellular proteins with which T and E1A compete for pocket binding. RB1 is a potent inhibitor of E2F-mediated trans-activation, and also recruits and targets histone methyltransferase SUV39H1 leading to epigenetic transcriptional repression. This protein inhibits the intrinsic kinase activity of TAF1. Defects in RB1 are the cause of childhood cancer retinoblastoma (RB), a congenital malignant tumor that arises from the nuclear layers of the retina. Defects in RB1 are also a cause of bladder cancer and osteogenic sarcoma.
Product Categories/Family for anti-RB1 antibody	Cancer; Cell Biology; Phospho Antibodies
References	Wagner, S., et al., Biochem. Pharmacol. 69(7):1059-1067 (2005). Roesch, A., et al., Mod. Pathol. 18(4):565-572 (2005). Lieman, J.H., et al., J. Biol. Chem. 280(11):10484-10490 (2005). Budde, A., et al., Oncogene 24(10):1802-1808 (2005). Zapata, E., et al., FEBS J. 272(6):1343-1353 (2005).

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/phospho-rb-s788-antibody-immunohistochemistry-dot-blot-elisa/290108>