

Product datasheet for **AP12697PU-N**

Rb (RB1) pSer780 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	ELISA: 1/1,000. Immunohistochemistry: 1/50~1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S780 of human Rb.
Specificity:	This antibody detects Rb pSer780. Predicted to cross react with Mouse (100% Antigen Homology).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RB transcriptional corepressor 1
Database Link:	Entrez Gene 5925 Human P06400



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Background:

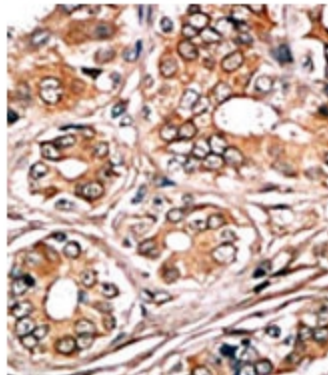
RB1 likely acts as a regulator of other genes. It forms a complex with adenovirus E1A and with SV40 large T antigen, acts as a tumor suppressor, and may bind and modulate functionally certain cellular proteins with which T and E1A compete for pocket binding. RB1 is a potent inhibitor of E2F-mediated 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.

Synonyms:

Retinoblastoma 1, Rb, p105-Rb, pRb, pp110, OSRC

Note:

Molecular weight: 106159 Da.

Product images:

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.