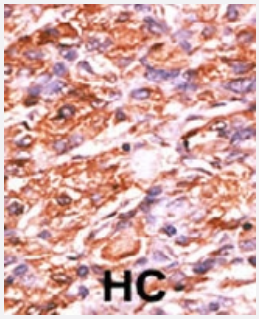
RB1 (phospho S811) polyclonal antibody

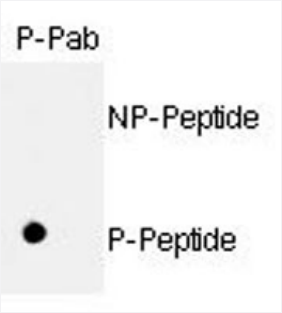
Catalog # PAB0602 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with RB1 (phospho S811) polyclonal antibody (Cat # PAB0602) 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. HC = hepatocarcinoma.



Dot Blot (Peptide)

Dot blot analysis of RB1 (phospho S811) polyclonal antibody (Cat # PAB0602) on nitrocellulose membrane. 50 ng of nonphospho-peptide or phospho-peptide were adsorbed on their respective dots.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of RB1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S811 of human RB1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

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Recommend Usage	Dot Blot (1:500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with RB1 (phospho S811) polyclonal antibody (Cat # PAB0602) 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. HC = hepatocarcinoma.

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Gene Info — RB1

Entrez GeneID	5925
Protein Accession#	NP_000312;P06400
Gene Name	RB1
Gene Alias	OSRC, RB, p105-Rb, pRb, pp110
Gene Description	retinoblastoma 1
Omim ID	109800 180200 259500
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor s uppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to mainta in the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcr iption factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bla dder cancer, and osteogenic sarcoma. [provided by RefSeq

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Other Designations	OTTHUMP00000018397|retinoblastoma suspectibility protein|retinoblastoma-associated protein

Publication Reference

- Disruption of the Rb--Raf-1 interaction inhibits tumor growth and angiogenesis.

  Dasgupta P, Sun J, Wang S, Fusaro G, Betts V, Padmanabhan J, Sebti SM, Chellappan SP.

  Molecular and Cellular Biology 2004 Nov; 24(21):9527.

- ORF73 of herpesvirus saimiri, a viral homolog of Kaposi's sarcoma-associated herpesvirus, modulates the two cellular tumor suppressor proteins p53 and pRb.

  Borah S, Verma SC, Robertson ES.

  Journal of Virology 2004 Oct; 78(19):10336.

- Aberrant expression of pRb and p16(INK4), alone or in combination, indicates poor outcome after resection in patients with colorectal carcinoma.

  Cui X, Shirai Y, Wakai T, Yokoyama N, Hirano S, Hatakeyama K.

  Human Pathology 2004 Oct; 35(10):1189.

Pathway

- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Glioma
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer

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Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosomal Instability
- Chromosome Aberrations
- Chromosome Deletion
- Colorectal Neoplasms
- Cystadenocarcinoma
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Neoplasm Invasiveness
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pulmonary Disease
- Retinal Neoplasms
- Retinoblastoma
- Tobacco Use Disorder

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