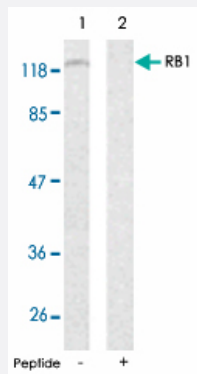


RB1 polyclonal antibody

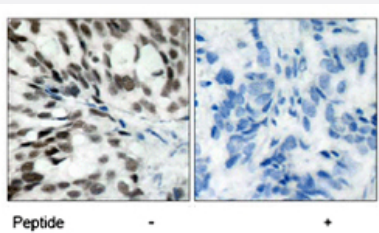
Catalog # PAB5552 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extract from K-562 cells using RB1 polyclonal antibody (Cat # PAB5552) .



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RB1 polyclonal antibody (Cat # PAB5552) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RB1.
Immunogen	A synthetic peptide corresponding to residues surrounding S780 of human RB1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extract from K-562 cells using RB1 polyclonal antibody (Cat # PAB5552) .

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RB1 polyclonal antibody (Cat # PAB5552) .

Gene Info — RB1

Entrez GeneID	5925
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 suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma. [provided by RefSeq]
Other Designations	OTTHUMP00000018397 retinoblastoma susceptibility protein retinoblastoma-associated protein

Publication Reference

- [Overexpression and hyperphosphorylation of retinoblastoma protein in the progression of malignant melanoma.](#)

Roesch A, Becker B, Meyer S, Hafner C, Wild PJ, Landthaler M, Vogt T.

Modern Pathology: an Official Journal of the United States and Canadian Academy of Pathology, Inc 2005 Apr; 18(4):565.

- [Androgens repress Bcl-2 expression via activation of the retinoblastoma \(RB\) protein in prostate cancer cells.](#)

Huang H, Zegarra-Moro OL, Benson D, Tindall DJ.

Oncogene 2004 Mar; 23(12):2161.

Application: IF, WB, Human, LNCaP cells

- [The consensus motif for phosphorylation by cyclin D1-Cdk4 is different from that for phosphorylation by cyclin A/E-Cdk2.](#)

Kitagawa M, Higashi H, Jung HK, Suzuki-Takahashi I, Ikeda M, Tamai K, Kato J, Segawa K, Yoshida E, Nishimura S, Taya Y.

The EMBO Journal 1996 Dec; 15(24):7060.

Application: IP, WB-Ce, WB-Re, Human, T98G cells, Recombinant proteins, WI38 cells

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](#)

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](#)