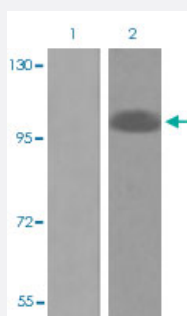


RB1 (phospho S780) polyclonal antibody

Catalog # PAB29613

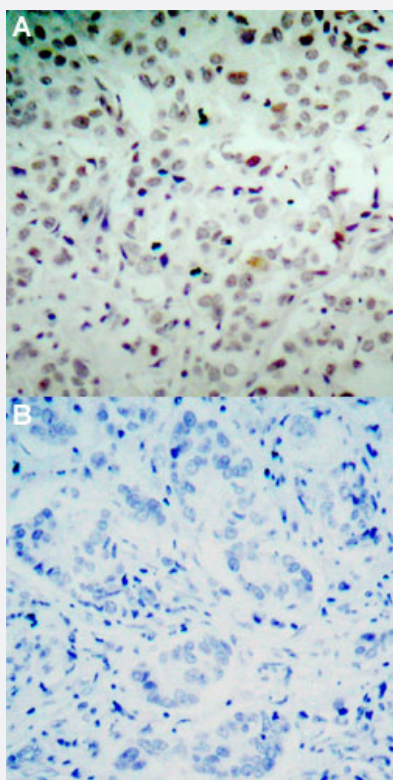
Size 100 uL

Applications



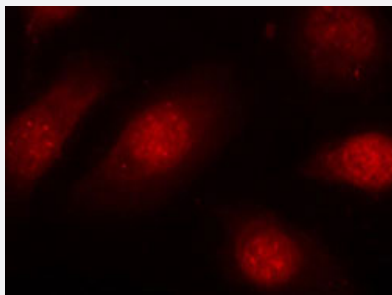
Western Blot (Cell lysate)

Western blot analysis of Lane 1: 3T3 cells, Lane 2: UV treated 3T3 cells with RB1 (phospho S780) polyclonal antibody (Cat# PAB29613) at 1:500-1:1000 dilution.



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

Immunohistochemical staining of human breast cancer tissue by RB1 (phospho S780) polyclonal antibody (Cat# PAB29613) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.



Immunofluorescence

Immunofluorescent staining of methanol-fixed HeLa cells using RB1 (phospho S780) polyclonal antibody (Cat# PAB29613) at 1:100-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human RB1.
Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S780 of human RB1.
Host	Rabbit
Theoretical MW (kDa)	110
Reactivity	Human, Mouse, Rabbit
Specificity	RB1 (phospho S780) polyclonal antibody detects endogenous level of RB1 only when phosphorylated at serine 780.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) 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 (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: 3T3 cells, Lane 2: UV treated 3T3 cells with RB1 (phospho S780) polyclonal antibody (Cat# PAB29613) at 1:500-1:1000 dilution.

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

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- Immunofluorescence

Immunofluorescent staining of methanol-fixed Hela cells using RB1 (phospho S780) polyclonal antibody (Cat# PAB29613) at 1:100-1:200 dilution.

Gene Info — RB1

Entrez GeneID	5925
Protein Accession#	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 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

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](#)