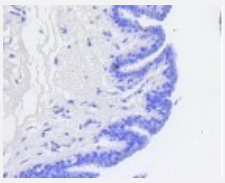
RecomAb™ Sm Size

RB1 (phospho S807) recombinant monoclonal antibody

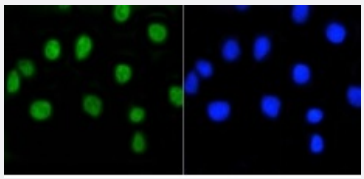
Catalog # RAB09374 Size 50 uL

Applications



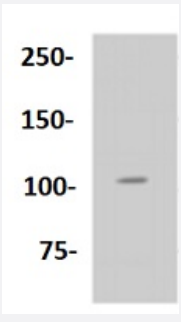
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of A549 cells using RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Cell lysate)

Western blot analysis of Lane1:A549 whole cell lysate with RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against RB1.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant RB1.
Theoretical MW (kDa)	106
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Rb protein only when phosphorylated at Ser807.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
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)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374). Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of A549 cells using RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374) (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Cell lysate)

  Western blot analysis of Lane1:A549 whole cell lysate with RB1 (phospho S807) recombinant monoclonal antibody (Cat # RAB09374) at 1:1000 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 suspectibility protein|retinoblastoma-associated protein

Pathway

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

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- 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

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- Retinal Neoplasms
- Retinoblastoma
- Tobacco Use Disorder

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