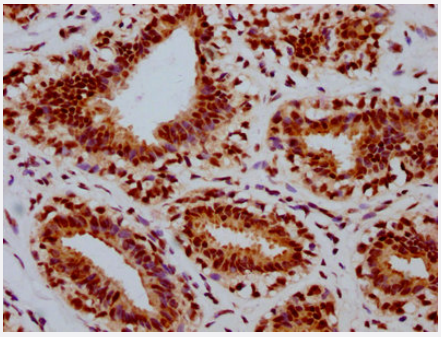
RecomAb™ Sm Size

RB1 (phospho S780) recombinant monoclonal antibody, clone 2E9

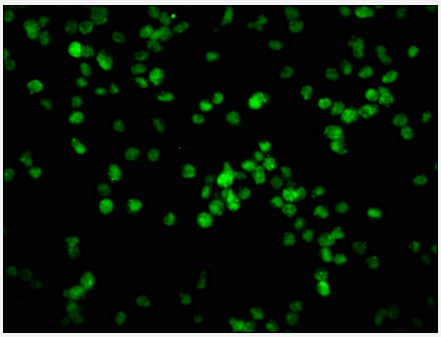
Catalog # RAB08155 Size 50 uL

Applications



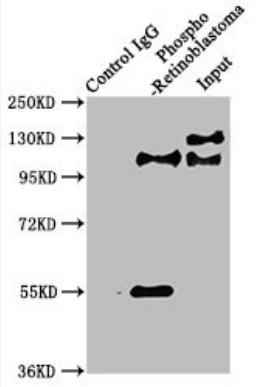
Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with RB1 (phospho S780) recombinant monoclonal antibody (diluated at 1:100).



Immunofluorescence

Immunofluorescent staining of K562 cells with RB1 (phospho S780) recombinant monoclonal antibody (diluated at 1:100). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with RB1 (phospho S780) recombinant monoclonal antibody.
Lane 1: rabbit control IgG,
Lane 2: RAB08155 precipitates and
Lane 3: Input (Hela whole cell lysates).

Specification

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Product Description	Rabbit recombinant monoclonal antibody raised against human RB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g S780 of human RB1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:200-1:1000) 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 or -80 °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

  Immunohistochemical staining of human breast carcinoma with RB1 (phospho S780) recombinant monoclonal antibody (diluated at 1:100).

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

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- Immunoprecipitation

Immunoprecipitation analysis of HeLa cell lysate with RB1 (phospho S780) recombinant monoclonal antibody.
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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 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
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

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- 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

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- Pulmonary Disease
- Retinal Neoplasms
- Retinoblastoma
- Tobacco Use Disorder

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