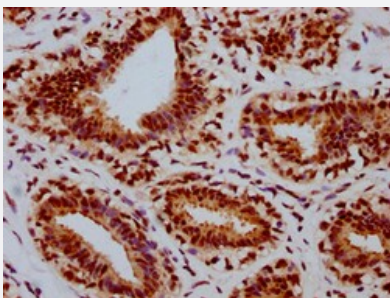


RecomAb™

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

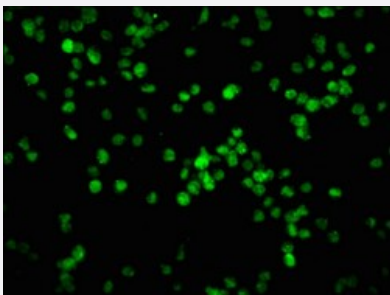
Catalog # RAB04300 Size 100 uL

Applications



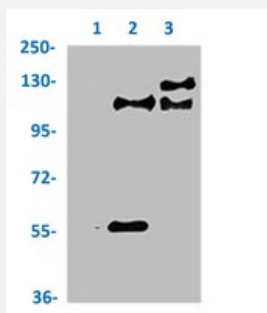
Immunohistochemistry

Immunohistochemical staining of human breast carcinoma with RB1 (phospho S780) recombinant monoclonal antibody, clone 2E9 (Cat # RAB04300) (diluted at 1:100).



Immunofluorescence

Immunofluorescent staining of K562 cells with RB1 (phospho S780) recombinant monoclonal antibody, clone 2E9 (Cat # RAB04300) (diluted at 1:100). The secondary antibody was Alexa Fluor 488-conjugated 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, clone 2E9 (Cat # RAB04300). Lane 1: rabbit control IgG, Lane 2: RAB04300 precipitates and Lane 3: Input (Hela whole cell lysates).

Specification

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 surrounding S780 of human RB1.
Reactivity	Human
Form	Liquid
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 should be handled by trained staff only.

Applications

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- Immunoprecipitation

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Lane 1: rabbit control IgG, Lane 2: RAB04300 precipitates and Lane 3: Input (Hela whole cell lysates).

- Enzyme-linked Immunoabsorbent Assay

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](#)