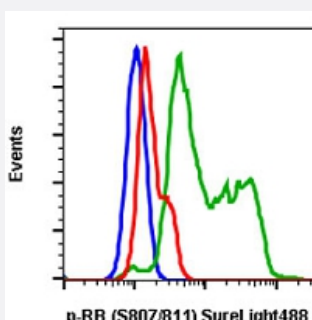


RB1 (phospho S807/S811) monoclonal antibody, clone D9 (SureLight 488)

Catalog # MAB21587 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells with RB1 (phospho S807/S811) monoclonal antibody, clone D9 (SureLight 488) (Cat # MAB21587). Untreated and unstained as negative control (blue) or untreated and stained (green) or treated with lambda phosphatase and stained (red).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human RB1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S807/S811 of human RB1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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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 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](#)