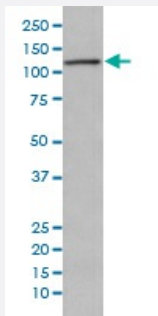


# RB1 monoclonal antibody, clone BHC-18

Catalog # MAB20664      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate treated with Alkaline Phosphatase using RB1 monoclonal antibody, clone BHC-18.

## Specification

**Product Description** Rabbit monoclonal antibody raised against synthetic peptide of human RB1.

**Immunogen** A synthetic peptide corresponding to human RB1.

**Host** Rabbit

**Reactivity** Human

**Form** Liquid

**Purification** Affinity purification

**Isotype** IgG

**Recommend Usage**

- Flow Cytometry (1:50)
- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunoprecipitation (1:50)
- Western Blot (1:500-1:2000)
- 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 for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 Jurkat cell lysate treated with Alkaline Phosphatase using RB1 monoclonal antibody, clone BHC-18.

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

## 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](#)