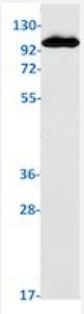
RecomAb™

# RB1 recombinant monoclonal antibody, clone R03-4E9

Catalog # RAB01952 Size 100 uL

## Applications




### Western Blot

Western blot analysis of 3T3 lysates with RB1 recombinant monoclonal antibody, clone R03-4E9 (Cat # RAB01952).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human RB1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human RB1. |
| **Theoretical MW (kDa)** | Calculated MW: 106 k |
| **Reactivity** | Mouse |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |

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| | |
|---|---|
| **Storage Instruction** | Store at -20 °C.<br>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

- Western Blot

  Western blot analysis of 3T3 lysates with RB1 recombinant monoclonal antibody, clone R03-4E9 (Cat # RAB01952).

## 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

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- 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

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- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pulmonary Disease
- Retinal Neoplasms
- Retinoblastoma
- Tobacco Use Disorder

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