

RecomAb™

MTOR recombinant monoclonal antibody, clone mTORS2448-E11 (PE)

Catalog # RAB03056

Size 100 Reactions

Applications

Flow Cytometry

Flow cytometric analysis of A431 cells treated with phosphatase and unstained as negative control (blue) or treated with phosphatase (red) or EGF (green) and stained using Phospho-mTOR (Ser2448) PE conjugated antibody mTORS2448-E11.

Specification

| | |
|---------------------|---|
| Product Description | Rabbit recombinant monoclonal antibody raised against human MTOR. |
| Antibody Species | Rabbit |
| Immunogen | A synthetic phospho-peptide corresponding to residues surrounding Ser2448 of human phospho mTOR |
| Reactivity | Human |
| Form | Liquid |
| Conjugation | PE |
| Purification | Protein A purification, Protein G purification |
| Isotype | IgG |
| Recommend Usage | Flow Cytometry The optimal working dilution should be determined by the end user. |

| | |
|----------------------------|--|
| Storage Buffer | In PBS (0.2% BSA, 0.09% Sodium azide) |
| Storage Instruction | Store at 4°C. Do not freeze. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Flow Cytometry

Flow cytometric analysis of A431 cells treated with phosphatase and unstained as negative control (blue) or treated with phosphatase (red) or EGF (green) and stained using Phospho-mTOR (Ser2448) PE conjugated antibody mTORS2448-E11.

Gene Info — MTOR

| | |
|---------------------------|---|
| Entrez GeneID | 2475 |
| Protein Accession# | P42345 |
| Gene Name | MTOR |
| Gene Alias | FRAP, FRAP1, FRAP2, RAFT1, RAPT1 |
| Gene Description | mechanistic target of rapamycin |
| Omim ID | 601231 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene. [provided by RefSeq] |
| Other Designations | FK506 binding protein 12-rapamycin associated protein 1 FK506 binding protein 12-rapamycin associated protein 2 FK506-binding protein 12-rapamycin complex-associated protein 1 FKBP-rapamycin associated protein FKBP12-rapamycin complex-associated protein 1 |

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)

- [ErbB signaling pathway](#)
- [Glioma](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Type II diabetes mellitus](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Rectal Neoplasms](#)
- [Tobacco Use Disorder](#)