

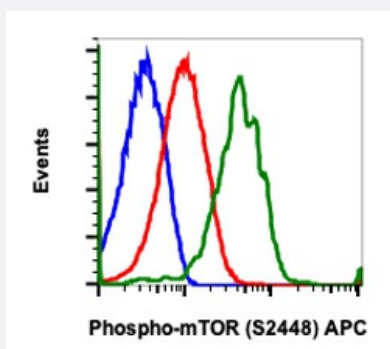
RecomAb™

# MTOR recombinant monoclonal antibody, clone mTORS2448-E11 (APC)

Catalog # RAB03058

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) APC 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         | APC   |
| Purification        | Protein A purification, Protein G purification  |
| Isotype             | IgG   |
| Recommend Usage     | Flow Cytometry<br>The optimal working dilution should be determined by the end user.            |

|                            |  |
|----------------------------|--|
| <b>Storage Buffer</b>      | In PBS (0.2% BSA, 0.09% Sodium azide)  |
| <b>Storage Instruction</b> | Store at 4°C. Do not freeze.   |
| <b>Note</b>                | 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) APC conjugated antibody mTORS2448-E11.

## Gene Info — MTOR

|                           |   |
|---------------------------|---|
| <b>Entrez GeneID</b>      | <a href="#">2475</a>  |
| <b>Protein Accession#</b> | <a href="#">P42345</a>  |
| <b>Gene Name</b>          | MTOR  |
| <b>Gene Alias</b>         | FRAP, FRAP1, FRAP2, RAFT1, RAPT1  |
| <b>Gene Description</b>   | mechanistic target of rapamycin   |
| <b>Omim ID</b>            | <a href="#">601231</a>  |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>   |
| <b>Gene Summary</b>       | 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] |
| <b>Other Designations</b> | 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](#)