

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	<a href="#">2475</a>
Protein Accession#	<a href="#">P42345</a>
Gene Name	MTOR
Gene Alias	FRAP, FRAP1, FRAP2, RAFT1, RAPT1
Gene Description	mechanistic target of rapamycin
Omim ID	<a href="#">601231</a>
Gene Ontology	<a href="#">Hyperlink</a>

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]
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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
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## 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](#)