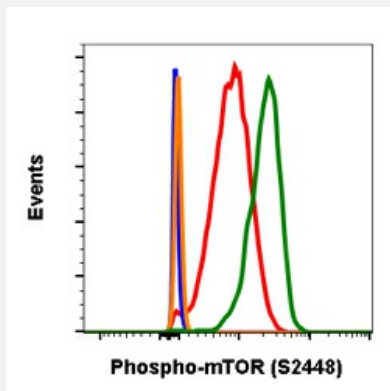


RecomAb™

MTOR recombinant monoclonal antibody, clone mTORS2448-E11

Catalog # RAB02848 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.01 ug/mL of isotype control (orange) or untreated (red) or treated with PDGF (green) using Phospho-mTOR (Ser2448) antibody mTORS2448-E11 at 0.01 ug/mL.

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
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA

Storage Instruction

Store at -20°C.
Aliquot to 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

- Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.01 ug/mL of isotype control (orange) or untreated (red) or treated with PDGF (green) using Phospho-mTOR (Ser2448) antibody mTORS2448-E11 at 0.01 ug/mL.

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](#)