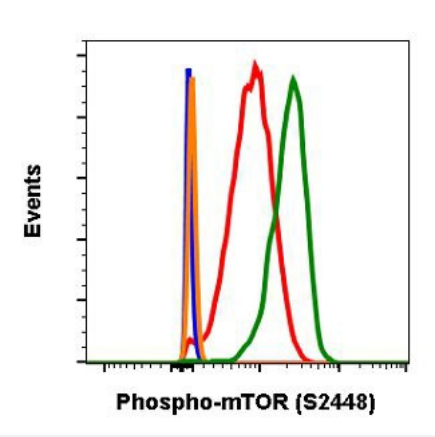
MTOR (phospho S2448) monoclonal antibody, clone E11

Catalog # MAB18971 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 MTOR (phospho S2448) monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MTOR.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S2448 of human MTOR.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A/G Purification
Isotype	IgG1k
Recommend Usage	Flow Cytometry (1 ug/mL - 0.001 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.02% sodium azide, 0.1% BSA).
Storage Instruction	Store at -20°C.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — MTOR

Entrez GeneID	2475
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 kinas es. These kinases mediate cellular responses to stresses such as DNA damage and nutrient dep rivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of t he FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene. [provide d by RefSeq
Other Designations	FK506 binding protein 12-rapamycin associated protein 1|FK506 binding protein 12-rapamycin a ssociated protein 2|FK506-binding protein 12-rapamycin complex-associated protein 1|FKBP-ra pamycin associated protein|FKBP12-rapamycin complex-associated protein 1

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- ErbB signaling pathway
- Glioma
- Insulin signaling pathway

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- 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

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