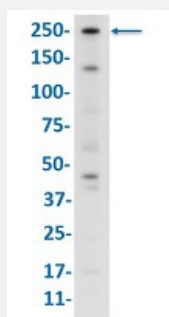


RecomAb™

MTOR (phospho Ser2448) recombinant monoclonal antibody, clone R08-7G7

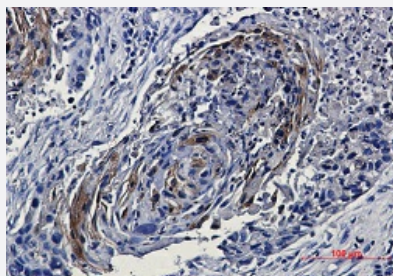
Catalog # RAB02090 Size 100 uL

Applications



Western Blot

Western Blot analysis of 3T3 lysates with MTOR (phospho Ser2448) recombinant monoclonal antibody, clone R08-7G7 (Cat # RAB02090).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human lung cancer with MTOR (phospho Ser2448) recombinant monoclonal antibody, clone R08-7G7 (Cat # RAB02090). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MTOR.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser2448 of human MTOR.
Theoretical MW (kDa)	Calculated MW: 289 k
Reactivity	Human, Mouse

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% 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

- Western Blot

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human lung cancer with MTOR (phospho Ser2448) recombinant monoclonal antibody, clone R08-7G7 (Cat # RAB02090). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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](#)