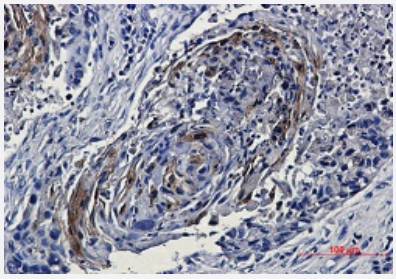
RecomAb™

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

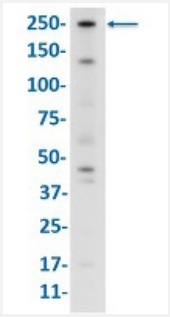
Catalog # RAB02090 Size 100 uL

Applications



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.



Western Blot

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

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 surroundin g Ser2448 of human MTOR.
Theoretical MW (kDa)	Calculated MW: 289 k
Reactivity	Human, Mouse

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Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
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 shoul d be handled by trained staff only.

Applications

- 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.

- Western Blot

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

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

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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

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- Neoplasms
- Osteoporosis
- Rectal Neoplasms
- Tobacco Use Disorder

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