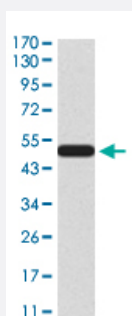


MTOR monoclonal antibody, clone 8H5A5

Catalog # MAB17295

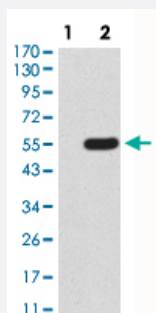
Size 100 ug

Applications



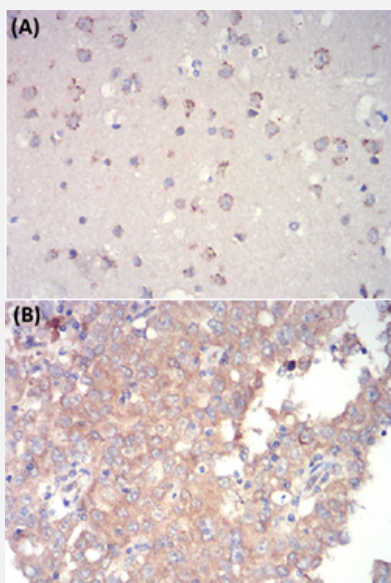
Western Blot

Western Blot analysis of human MTOR recombinant protein.



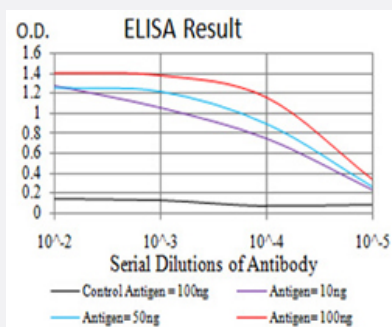
Western Blot

Western Blot analysis of (1) HEK293 cells, (2) MTOR-hlgGfc transfected HEK293 cell lysate.



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

Immunohistochemical staining of (A) brain tissues and (B) endometrial cancer tissues with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MTOR monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human MTOR.
Immunogen	Recombinant protein corresponding to amino acids 2311-2529 of human MTOR from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	289
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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

Western Blot analysis of human MTOR recombinant protein.

- Western Blot

Western Blot analysis of (1) HEK293 cells, (2) MTOR-hlgGfC transfected HEK293 cell lysate.

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

Immunohistochemical staining of (A) brain tissues and (B) endometrial cancer tissues with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MTOR monoclonal antibody.

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 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](#)