

Summary

Production Name	mTOR Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat,Rabbit

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	mTOR
Alternative Names	FRAP; FRAP1; FRAP2; RAFT1; RAPT1
Gene ID	2475.0
SwissProt ID	P42345.Purified recombinant fragment of human mTOR (AA: 2311-2529) expressed in E. Coli.

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	289kDa

Background

Product Name: mTOR Mouse Monoclonal Antibody
Catalog #: AMM81583

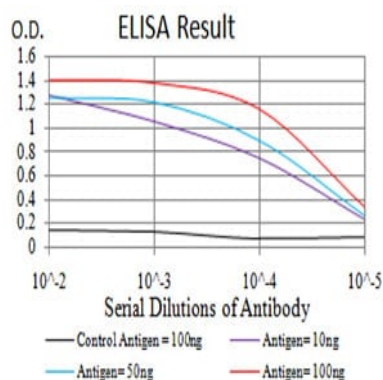


The protein encoded by this gene belongs to a family of phosphatidylinositol kinase-related kinases. These kinases mediate cellular responses to stresses such as DNA damage and nutrient deprivation. This protein acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. The ANGPTL7 gene is located in an intron of this gene.

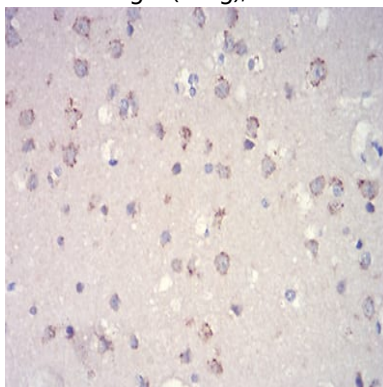
Research Area

PI3K-Akt signaling pathway, mTOR signaling pathway, Jak-STAT signaling pathway, Hippo signaling pathway

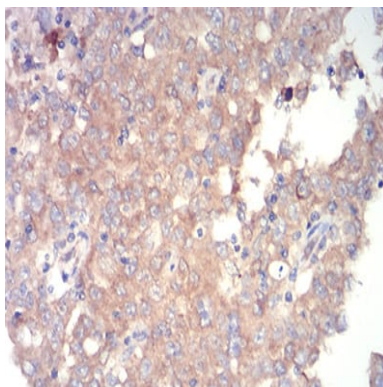
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



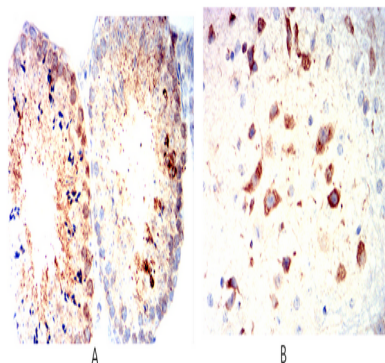
Immunohistochemical analysis of paraffin-embedded human brain tissues using mTOR mouse mAb with DAB staining.



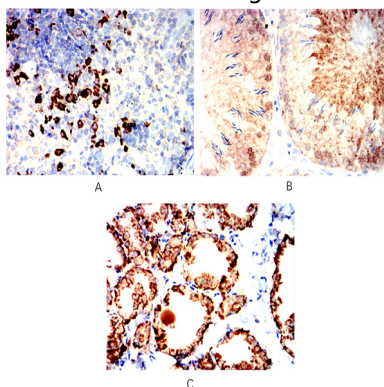
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Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using mTOR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse testis(A) Mouse cerebellum(B) using mTOR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat spleen(A) Rat testis(B) Rat thyroid(C) using mTOR mouse mAb with DAB staining.

Note

For research use only.