

Product Name: RPTOR Mouse Monoclonal Antibody
Catalog #: AMM81288



Summary

Production Name	RPTOR Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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	RPTOR
Alternative Names	KOG1; Mip1
Gene ID	57521.0
SwissProt ID	Q8N122. Purified recombinant fragment of human RPTOR (AA: 874-1009) expressed in E. Coli.

Application

Dilution Ratio	ELISA:1:10000
Molecular Weight	149kDa

Background

This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels.

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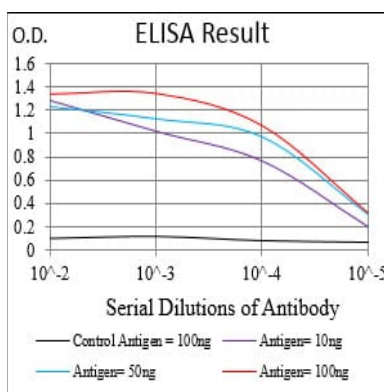


The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene.

Research Area

PI3K-Akt signaling pathway, mTOR signaling pathway

Image Data



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

Note

For research use only.