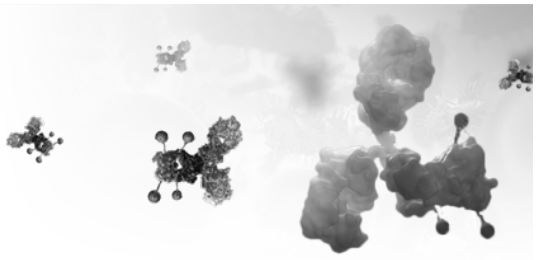

MTOR blocking peptide (CDBP6345)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Sep 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	MTOR mechanistic target of rapamycin (serine/threonine kinase) [Homo sapiens (human)]
Official Symbol	MTOR
Synonyms	MTOR; mechanistic target of rapamycin (serine/threonine kinase); FRAP; FRAP1; FRAP2; RAFT1; RAPT1; serine/threonine-protein kinase mTOR; rapamycin target protein 1; mammalian target of rapamycin; rapamycin and FKBP12 target 1; FKBP-rapamycin associated protein; rapamycin associated protein FRAP2; FKBP12-rapamycin complex-associated protein 1; FK506 binding protein 12-rapamycin associated protein 2; FK506-binding protein 12-

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	rapamycin complex-associated protein 1
Entrez Gene ID	2475
mRNA Refseq	NM_004958
Protein Refseq	NP_004949
UniProt ID	P42345
Pathway	AMPK signaling; AMPK signaling pathway; Acute myeloid leukemia; Adaptive Immune System; Adipocytokine signaling pathway; Alpha6-Beta4 Integrin Signaling Pathway; BDNF signaling pathway; CD28 co-stimulation
Function	ATP binding; RNA polymerase III type 1 promoter DNA binding; RNA polymerase III type 2 promoter DNA binding; RNA polymerase III type 3 promoter DNA binding; TFIIIC-class transcription factor binding; drug binding; kinase activity; kinase activity; phosphoprotein binding; protein binding; protein domain specific binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; ribosome binding

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