



RPTOR blocking peptide (CDBP5984)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. 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. [provided by RefSeq, Sep 2009]
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	RPTOR regulatory associated protein of MTOR, complex 1 [Homo sapiens (human)]
Official Symbol	RPTOR
Synonyms	RPTOR; regulatory associated protein of MTOR, complex 1; KOG1; Mip1; regulatory-associated protein of mTOR; raptor; p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats

Entrez Gene ID	57521
mRNA Refseq	NM_001163034
Protein Refseq	NP_001156506
UniProt ID	Q8N122
Pathway	AMPK signaling; AMPK signaling pathway; Cellular response to heat stress; Cellular responses to stress; Energy dependent regulation of mTOR by LKB1-AMPK; HSF1-dependent transactivation; IGF1R signaling cascade; IRS-mediated signalling
Function	14-3-3 protein 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; protein binding; protein complex binding; protein kinase binding
