

RPTOR rabbit monoclonal antibody

Catalog # H00057521-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human RPTOR peptide using ARM Technology.
Immunogen	A synthetic peptide of human RPTOR is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human RPTOR peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — RPTOR

Entrez GeneID [57521](#)

GeneBank Accession# [RPTOR](#)

Gene Name RPTOR

Gene Alias KOG1, Mip1

Gene Description regulatory associated protein of MTOR, complex 1

Omim ID [607130](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats|regulatory associated protein of mTOR

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)