

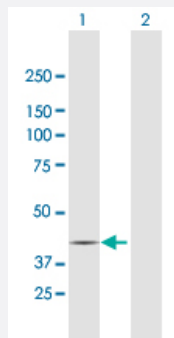
MaxPab®

RPTOR MaxPab mouse polyclonal antibody (B01)

Catalog # H00057521-B01

Size 50 uL

Applications

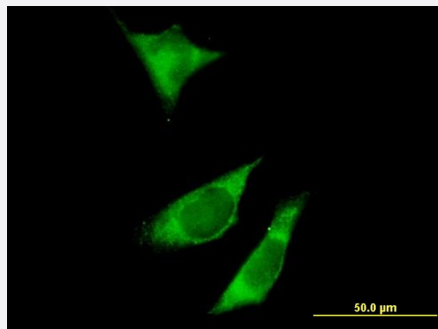


Western Blot (Transfected lysate)

Western Blot analysis of RPTOR expression in transfected 293T cell line ([H00057521-T01](#)) by RPTOR MaxPab polyclonal antibody.

Lane 1: RPTOR transfected lysate(41.69 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to RPTOR on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human RPTOR protein.

Immunogen

RPTOR (AAH64515.1, 1 a.a. ~ 379 a.a) full-length human protein.

Sequence

MESEMLQSPLLGLGEEDEADLTOWNLPLAFMKKRHCEKIEGSKSLAQSWRMKDRMKTVSVALV
LCLNVGVDPPDVVKTTPCARLECWIDPLSMGPQKALETIGANLQKQYENWQPRARYKQSLDPTV
DEVKKLCTSLRRNAKEERVLFFHYNGHGVPRPTVNGEVVWFNKNYTYIPLSYDLQTMWGSPSIFV
YDCSNAGLIVKSFKQFALQREQELEVAAINPNHPLAQMPLPPSMKNCIQLAACEATELLPMIPDLP
ADLFTSCLTTPIKIALRWFCMQKCVSLVPGVTLDLIEKIPGRLNDRRTPLGELNWIFTAITDTIAWNVL
PRDLFQKLFRQDLLVASLFRNFLAERIMRSYNCTPVSSPRLPPTYMHAMW

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

- Immunofluorescence

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Gene Info — RPTOR

Entrez GeneID	57521
GeneBank Accession#	BC064515
Protein Accession#	AAH64515.1
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](#)