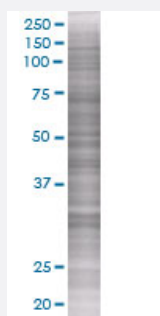


# RPTOR 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00057521-T01

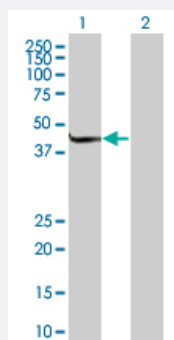
Size 100 uL

## Applications



### SDS-PAGE Gel

RPTOR transfected lysate.



### Western Blot

Lane 1: RPTOR transfected lysate ( 43.3 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-RPTOR full-length
Host	Human
Theoretical MW (kDa)	41.8
Interspecies Antigen Sequence	Mouse (99); Rat (99)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-RPTOR antibody ([H00057521-B01](#)) by Western Blots.  
SDS-PAGE Gel  
RPTOR transfected lysate.  
Western Blot  
Lane 1: RPTOR transfected lysate ( 43.3 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — RPTOR

**Entrez GeneID**[57521](#)**GeneBank Accession#**[BC064515](#)**Protein Accession#**[AAH64515](#)**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](#)