

RPTOR Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3838
Host	Mouse
Isotype	Mouse IgG1
Size	100 μ L, 50 μ L
Immunogen	Purified recombinant fragment of human RPTOR (AA: 874-1009) expressed in E. Coli.
Mol wt	149kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	KOG1;Mip1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

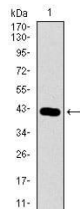
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

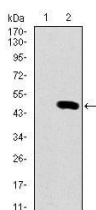
ELISA: 1:10000

Not yet tested in other applications.

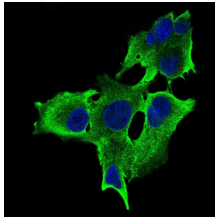
Images



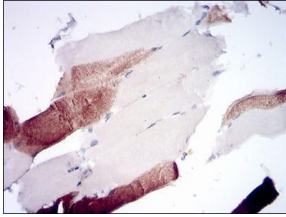
Western blot analysis using RPTOR mAb against human RPTOR (AA: 874-1009) recombinant protein. (Expected MW is 41 kDa)



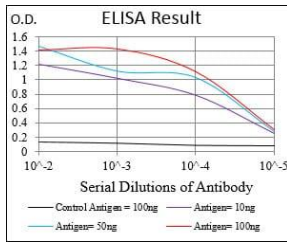
Western blot analysis using RPTOR mAb against HEK293 (1) and RPTOR (AA: 874-1009)-hIgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HepG2 cells using RPTOR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Secondary antibody from Fisher (Cat#: 35503)



Immunohistochemical analysis of paraffin-embedded muscle tissues using RPTOR mouse mAb with DAB staining.



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com