

RPTOR recombinant antibody

RPTOR Antibody

CATALOG # AAA243927	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

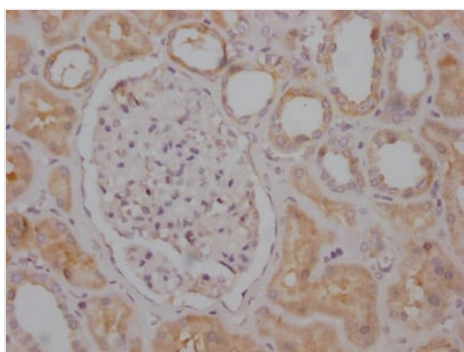
PRODUCT SYNONYMS

RPTOR; Monoclonal Recombinant Antibody; RPTOR Antibody; Regulatory-associated protein of mTOR (Raptor) (p150 target of rapamycin (TOR)-scaffold protein); KIAA1303 RAPTOR; RPTOR recombinant antibody

PRODUCT SPECIFICATIONS

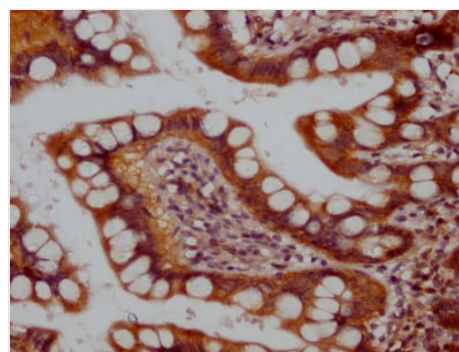
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	1B10
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for RPTOR recombinant antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human Raptor
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Related Product Information for RPTOR recombinant antibody	Involved in the control of the mammalian target of rapamycin complex 1 (mTORC1) activity which regulates cell growth and survival, and autophagy in response to nutrient and hormonal signals; functions as a scaffold for recruiting mTORC1 substrates. mTORC1 is activated in response to growth factors or amino acids. Growth factor-stimulated mTORC1 activation involves a AKT1-mediated phosphorylation of TSC1-TSC2, which leads to the activation of the RHEB GTPase that potently activates the protein kinase activity of mTORC1. Amino acid-signaling to mTORC1 requires its relocalization to the lysosomes mediated by the Ragulator complex and the Rag GTPases. Activated mTORC1 up-regulates protein synthesis by phosphorylating key regulators of mRNA translation and ribosome synthesis. mTORC1 phosphorylates EIF4EBP1 and releases it from inhibiting the elongation initiation factor 4E (eIF4E). mTORC1 phosphorylates and activates S6K1 at 'Thr-389', which then promotes protein synthesis by phosphorylating PDCD4 and targeting it for degradation. Involved in ciliogenesis.
Product Categories/Family for RPTOR recombinant antibody	Epigenetics and Nuclear Signaling; Cell biology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	251823858
NCBI GeneID	57521
NCBI Accession #	NP_001156506.1
NCBI GenBank Nucleotide #	NM_001163034.1
UniProt Accession #	Q8N122; Q8N4V9; Q8TB32; Q9P2P3; B2RN36; C6KEF2; F5H7J5
Molecular Weight	149038 MW
NCBI Official Full Name	regulatory-associated protein of mTOR isoform 2
NCBI Official Synonym Full Names	regulatory associated protein of MTOR complex 1
NCBI Official Symbol	RPTOR
NCBI Official Synonym Symbols	KOG1; Mip1
NCBI Protein Information	regulatory-associated protein of mTOR
UniProt Protein Name	Regulatory-associated protein of mTOR
UniProt Gene Name	RPTOR
UniProt Synonym Gene Names	KIAA1303; RAPTOR; Raptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/rptor-recombinant-antibody-clone-1b10-immunohistochemistry-elisa/243927>