

Rabbit LAMTOR1 Polyclonal Antibody | anti-LAMTOR1 antibody

LAMTOR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40518	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

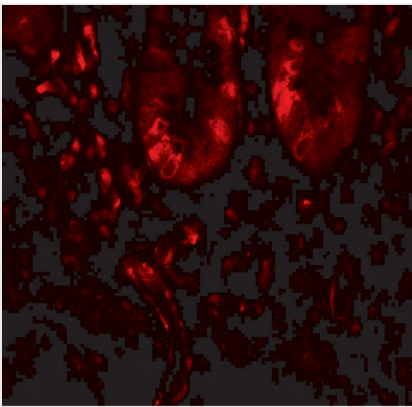
PRODUCT SYNONYMS

LAMTOR1; Polyclonal Antibody; LAMTOR1 Antibody; p18; PDRO; C11orf59; p27RF-Rho; Ragulator1; PP7157; Ragulator complex protein LAMTOR1; Lipid raft adaptor protein p18; late endosomal/lysosomal adaptor; MAPK and MTOR activator 1; anti-LAMTOR1 antibody

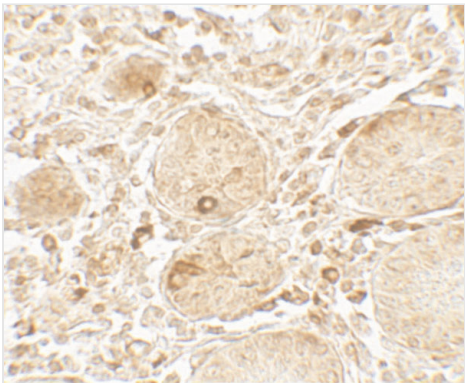
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LAMTOR1 antibody is human, mouse and rat specific. LAMTOR1 antibody is predicted to not cross-react with other LAMTOR family proteins.
Purity/Purification	LAMTOR1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	161
Applicable Applications for anti-LAMTOR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal LAMTOR1 antibody was raised against a 17 amino acid peptide near the amino terminus of human LAMTOR1
Buffer	LAMTOR1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LAMTOR1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

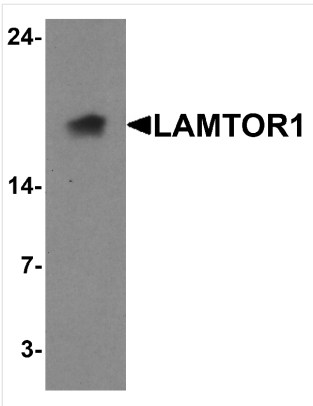
IMAGES



IF (Immunofluorescence)
Immunofluorescence of LAMTOR1 in human small intestine tissue with LAMTOR1 antibody at 20 µg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of LAMTOR1 in human small intestine tissue with LAMTOR1 antibody at 5 µg/mL.



WB (Western Blot)
Western blot analysis of LAMTOR1 in A431 cell lysate with LAMTOR1 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMTOR1 antibody

LAMTOR1 is a 161 amino acid membrane protein belonging to the LAMTOR family. It has been identified to interact with and recruit the four Rag GTPases (Rag A-D) to the surface of lysosomes (1). The mTORC1 kinase complex is a critical component in the regulation of cell growth (2). As part of the regulator complex, LAMTOR1 recruits the Rag GTPases and the mTORC1 complex to lysosomes, a key step in activation of the TOR signaling cascade by amino acids (3). LAMTOR1 may be involved in cholesterol homeostasis regulating LDL uptake and cholesterol release from late endosomes / lysosomes (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923579
NCBI GeneID	55004
NCBI Accession #	NP_060377
NCBI GenBank Nucleotide #	NM_017907.2
UniProt Accession #	Q6IAA8; Q8WZ09; Q9NWT0
Molecular Weight	Predicted: 18 kDa Observed: 18 kDa
NCBI Official Full Name	regulator complex protein LAMTOR1

NCBI Official Synonym Full Names	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1
NCBI Official Symbol	LAMTOR1
NCBI Official Synonym Symbols	p18; PDRO; C11orf59; p27RF-Rho; Ragulator1
NCBI Protein Information	regulator complex protein LAMTOR1; RhoA activator C11orf59; lipid raft adaptor protein p18; regulator complex protein PDRO; p27Kip1-releasing factor from RhoA; p27kip1 releasing factor from RhoA; protein associated with DRMs and endosomes; late endosomal/lysosomal adaptor and MAPK and MTOR activator 1
UniProt Protein Name	Ragulator complex protein LAMTOR1
UniProt Gene Name	LAMTOR1
UniProt Synonym Gene Names	C11orf59; PDRO; p27RF-Rho
UniProt Entry Name	LTOR1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lamtor1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40518>