

Rabbit anti-Human LAMTOR1 Polyclonal Antibody | anti-LAMTOR1 antibody

LAMTOR1 Polyclonal Antibody

CATALOG # AAA179339	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

LAMTOR1; Polyclonal Antibody; LAMTOR1 Polyclonal Antibody; C11orf59; PDRO; Ragulator1; p18; p27RF-Rho; ragulator complex protein LAMTOR1; anti-LAMTOR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-LAMTOR1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human LAMTOR1
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescence analysis of U2OS cells using LAMTOR1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using LAMTOR1 Polyclonal Antibody at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-LAMTOR1 antibody	As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. LAMTOR1 is directly responsible for anchoring the Ragulator complex to membranes. Also required for late endosomes/lysosomes biogenesis it may regulate both the recycling of receptors through endosomes and the MAPK signaling pathway through recruitment of some of its components to late endosomes. May be involved in cholesterol homeostasis regulating LDL uptake and cholesterol release from late endosomes/lysosomes. May also play a role in RHOA activation.
Product Categories/Family for anti-LAMTOR1 antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

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	ragulator 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	ragulator complex protein LAMTOR1; RhoA activator C11orf59; lipid raft adaptor protein p18; ragulator complex protein PDRO; p27Kip1-releasing factor from RhoA; p27kip1 releasing factor from RhoA; protein associated with DRMs and endosomes; late endosomal/
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-western-blot-elisa/179339>