

Anti-LTOR3 antibody



Description	Unconjugated Rabbit polyclonal to LTOR3
Model	STJ191720
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human LTOR3 protein.
Immunogen Region	30-110aa
Gene ID	8649
Gene Symbol	LAMTOR3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	LTOR3 Polyclonal Antibody detects endogenous levels of protein.
Purification	LTOR3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Regulator complex protein LAMTOR3 Late endosomal/lysosomal adaptor and MAPK and MTOR activator 3 MEK-binding partner 1 Mp1 Mitogen-activated protein kinase kinase 1-interacting protein 1 Mitogen-activated protein kinase scaff
Molecular Weight	13 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:15606OMIM:603296
Alternative Names	Ragulator complex protein LAMTOR3 Late endosomal/lysosomal adaptor and MAPK and MTOR activator 3 MEK-binding partner 1 Mp1 Mitogen-activated protein kinase kinase 1-interacting protein 1 Mitogen-activated protein kinase scaff
Function	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. Adapter protein that enhances the efficiency of the MAP kinase cascade facilitating the activation of MAPK2.
Cellular Localization	Late endosome membrane