



LAPTM4B Rabbit pAb

Catalog No	YP-Ab-19411
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	LAPTM4B PSEC0001
Immunogen	Synthesized peptide derived from human LAPTM4B. AA range:24-124
Specificity	This antibody detects endogenous levels of LAPTM4B at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LAPTM4B PSEC0001;Lysosomal-associated transmembrane protein 4B (Lysosome-associated transmembrane protein 4-beta)
Observed Band	
Calculated Molecular Weight	35kD
Cell Pathway	Endomembrane system ; Multi-pass membrane protein . Late endosome membrane . Cell membrane . Cell projection . Lysosome membrane . Endosome membrane. Endosome , multivesicular body membrane . Endosome , multivesicular body lumen .
Tissue Specificity	
Function	Required for optimal lysosomal function . Blocks EGF-stimulated EGFR intraluminal sorting and degradation. Conversely by binding with the phosphatidylinositol 4 ,5-bisphosphate , regulates its PIP5K1C interaction , inhibits HGS ubiquitination and relieves LAPTM4B inhibition of EGFR degradation . Recruits SLC3A2 and SLC7A5 (the Leu transporter) to the lysosome , promoting entry of leucine and other essential amino acid (EAA) into the lysosome , stimulating activation of proton-transporting vacuolar (V) - ATPase protein pump (V-ATPase) and hence mTORC1 activation . Plays a role as negative regulator of TGFB1 production in regulatory T cells . Binds ceramide



and facilitates its exit from late endosome in order to control cell death pathways

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images