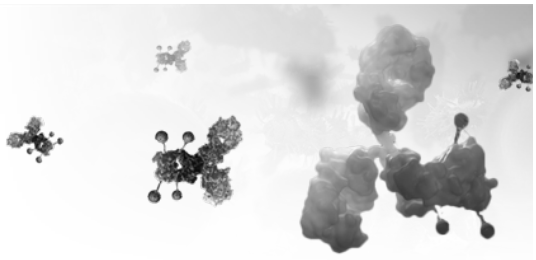

Anti-LAMTOR1 (aa 9-156) polyclonal antibody (DPABH-15386)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Regulator of the TOR pathway, a signaling cascade that promotes cell growth in response to growth factors, energy levels, and amino acids. As part of the Ragulator complex, recruits the Rag GTPases and the mTORC1 complex to lysosomes, a key step in activation of the TOR signaling cascade by amino acids. 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.
Immunogen	Recombinant fragment, corresponding to amino acids 9-156 of Human LAMTOR1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, IHC-P, WB
Format	Liquid
Size	100 µl
Preservative	None
Storage	Shipped at 4°C. Store at -20°C.

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GENE INFORMATION

Gene Name	LAMTOR1 late endosomal/lysosomal adaptor, MAPK and MTOR activator 2 [Homo sapiens]
Official Symbol	LAMTOR1
Synonyms	LAMTOR1; late endosomal/lysosomal adaptor, MAPK and MTOR activator 1; p18; PDRO; C11orf59; p27RF-Rho; Ragulator1; 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/lysosomal adaptor and MAPK and MTOR activator 1;
Entrez Gene ID	55004
Protein Refseq	NP_060377.1
UniProt ID	Q6IAA8
Function	contributes_to guanyl-nucleotide exchange factor activity; protein binding; contributes_to protein complex scaffold;

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