

# LAPTM4B Antibody, HRP conjugated



PACO58253

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## Product Information

**Size:**

50ug

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA

**Recommended dilutions:**

**Protein Background:**

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 TGF $\beta$ 1 production in regulatory T cells. Binds ceramide and facilitates its exit from late endosome in order to control cell death pathways.

**Gene ID:**

LAPTM4B

**Uniprot**

Q86VI4

**Synonyms:**

Lysosomal-associated transmembrane protein 4B (Lysosome-associated transmembrane protein 4-beta), LAPTM4B

**Immunogen:**

Recombinant Human Lysosomal-associated transmembrane protein 4B protein (174-226AA).

**Storage:**

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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N/A

N/A