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Datasheet for ABIN6991973
anti-LAMTOR1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	LAMTOR1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAMTOR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Rabbit polyclonal LAMTOR1 antibody was raised against a 17 amino acid peptide near the amino terminus of human LAMTOR1 . The immunogen is located within the first 50 amino acids of LAMTOR1.
Isotype:	IgG
Specificity:	LAMTOR1 antibody is human, mouse and rat specific. LAMTOR1 antibody is predicted to not cross-react with other LAMTOR family proteins.
Purification:	LAMTOR1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LAMTOR1
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Target Details

Alternative Name:	LAMTOR1 (LAMTOR1 Products)
Background:	LAMTOR1 is a 161 amino acid membrane protein belonging to the LAMTOR family. It has been identified to interact with and recruit the four Rag GTPases (Rag A-D) to the surface of lysosomes (1). The mTORC1 kinase complex is a critical component in the regulation of cell growth (2). As part of the ragulator complex, LAMTOR1 recruits the Rag GTPases and the mTORC1 complex to lysosomes, a key step in activation of the TOR signaling cascade by amino acids (3). LAMTOR1 may be involved in cholesterol homeostasis regulating LDL uptake and cholesterol release from late endosomes / lysosomes (4).
Molecular Weight:	Predicted: 18 kDa Observed: 18 kDa
Gene ID:	55004
NCBI Accession:	NP_060377
UniProt:	Q6IAA8

Application Details

Application Notes:	LAMTOR1 antibody can be used for detection of LAMTOR1 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LAMTOR1 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: LAMTOR1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.