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Datasheet for ABIN7167069  
**anti-LAMTOR1 antibody (AA 2-161) (Biotin)**

### Overview

Quantity:	100 µg
Target:	LAMTOR1
Binding Specificity:	AA 2-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAMTOR1 antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Ragulator complex protein LAMTOR1 protein (2-161AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	LAMTOR1
Alternative Name:	LAMTOR1 ( <a href="#">LAMTOR1 Products</a> )
Background:	Background: 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

## Target Details

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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. LAMTOR1 is 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.

Aliases: C11orf59 antibody, LAMTOR1 antibody, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 1 antibody, Lipid raft adaptor protein p18 antibody, LTOR1\_HUMAN antibody, p18 antibody, p27Kip1-releasing factor from RhoA antibody, p27RF-Rho antibody, PDRO antibody, PP7157 antibody, Protein associated with DRMs and endosomes antibody, Ragulator complex protein LAMTOR1 antibody, ragulator complex protein PDRO antibody, Ragulator1 antibody, RhoA activator C11orf59 antibody

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UniProt: [Q6IAA8](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

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

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.