Datasheet for ABIN7452946

anti-LAMTOR1 antibody (AA 111-161)

Go to Product page

Overview

Quantity:	100 µg
Target:	LAMTOR1
Binding Specificity:	AA 111-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAMTOR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit anti-LAMTOR1 Antibody, Affinity Purified
Immunogen:	Between AA 111 and 161
Isotype:	IgG
Predicted Reactivity:	Mouse,Rat,Bovine,Orangutan
Purification:	Affinity Purified

Target Details

Target:	LAMTOR1
Alternative Name:	LAMTOR1 (LAMTOR1 Products)
Background:	Background: As part of the Ragulator complex, LAMTOR1 is involved in amino acid sensing and

Copyright antibodies-online. All rights reserved.

Target Details

	activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. LAMTOR1 is 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. It is 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. LAMTOR1 may be involved in cholesterol homeostasis regulating LDL uptake and cholesterol release from late endosomes/lysosomes. It may also play a role in RHOA activation [taken from the Universal Protein Resource (UniProt) Q6IAA8].
Gene ID:	55004
UniProt:	Q6IAA8

Application Details

Application Notes:	IP: Not recommended WB: 1:1,000 - 1:5,000
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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.
Storage:	4 °C
Expiry Date:	12 months