Datasheet for ABIN7268341

anti-LAPTM4B antibody (AA 218-317)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	LAPTM4B
Binding Specificity:	AA 218-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAPTM4B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	LAPTM4B Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 218-317 of human LAPTM4B (NP_060877.3).
Sequence:	NSIQEYIRQL PPNFPYRDDV MSVNPTCLVL IILLFISIIL TFKGYLISCV WNCYRYINGR NSSDVLVYVT SNDTTVLLPP YDDATVNGAA KEPPPPYVSA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

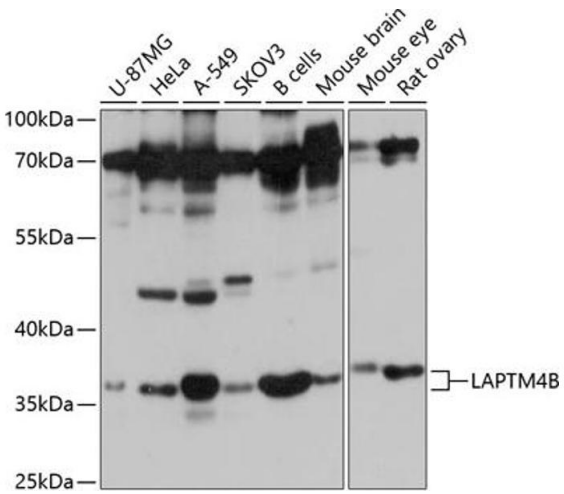
Target:	LAPTM4B
Alternative Name:	LAPTM4B (LAPTM4B Products)
Background:	Required for optimal lysosomal function. Blocks EGF-stimulated EGFR intraluminal sorting and degradation. Conversely by binding with the phosphatidylinositol 4,5-bisphosphate, regulates its PIP5K1C interaction, inhibits HGS ubiquitination 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 TGFB1 production in regulatory T cells. Binds ceramide and facilitates its exit from late endosome in order to control cell death pathways.,LAPTM4B,LAPTM4beta,LC27,Cancer,Tumor biomarkers,LAPTM4B
Molecular Weight:	25kDa/35kDa/41kDa
Gene ID:	55353
UniProt:	Q86VI4

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using LB antibody (ABIN7268341) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

Copyright antibodies-online. All rights reserved.