

GRAMD1C Rabbit pAb

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Catalog # AP56212

Product Information

Application	WB
Primary Accession	Q8IYS0
Reactivity	Human
Predicted	Rat, Dog, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76035
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GRAMD1C
Epitope Specificity	561-662/662
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	54762
Other Names	Protein Aster-C, GRAM domain-containing protein 1C, GRAMD1C
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GRAMD1C
Function	Cholesterol transporter that mediates non-vesicular transport of cholesterol from the plasma membrane (PM) to the endoplasmic reticulum (ER) (By similarity). Contains unique domains for binding cholesterol and the PM, thereby serving as a molecular bridge for the transfer of cholesterol from the PM to the ER (By similarity). Plays a crucial role in cholesterol homeostasis and has the unique ability to localize to the PM based on the level of membrane cholesterol (By similarity). In lipid-poor conditions localizes to the

ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic reticulum-plasma membrane contact sites (EPCS) which is mediated by the GRAM domain (By similarity). At the EPCS, the sterol-binding VASt/ASTER domain binds to the cholesterol in the PM and facilitates its transfer from the PM to ER (By similarity).

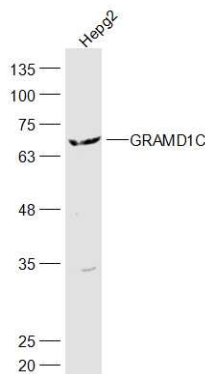
Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8CI52}; Single-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q8CI52}; Single-pass membrane protein. Note=In lipid-poor conditions localizes to the ER membrane and in response to excess cholesterol in the PM is recruited to the endoplasmic reticulum-plasma membrane contact sites (EPCS). {ECO:0000250|UniProtKB:Q8CI52}

Background

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Images



Sample:

HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-GRAMD1C (AP56212) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 67 kD

Observed band size: 67 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.