10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLEKHA8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18305b

Product Information

Application	WB, E
Primary Accession	Q96JA3
Other Accession	O95397, NP_116028.1
Reactivity	Human
Predicted	Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38526
Calculated MW	58261
Antigen Region	456-482

Additional Information

Gene ID	84725
Other Names	Pleckstrin homology domain-containing family A member 8, PH domain-containing family A member 8, Phosphatidylinositol-four-phosphate adapter protein 2, FAPP-2, Phosphoinositol 4-phosphate adapter protein 2, hFAPP2, Serologically defined breast cancer antigen NY-BR-86, PLEKHA8, FAPP2
Target/Specificity	This PLEKHA8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 456-482 amino acids from the C-terminal region of human PLEKHA8.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PLEKHA8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLEKHA8 (HGNC:30037)

Function	Mediates the non-vesicular transport of glucosylceramide (GlcCer) from the trans-Golgi network (TGN) to the plasma membrane, playing a pivotal role in the synthesis of complex glycosphingolipids; binding of both phosphatidylinositol 4-phosphate (PIP) and ARF1 are essential for this GlcCer transfer ability (PubMed:15107860, PubMed:16103222, PubMed:17687330). Also functions as a cargo transport protein required for apical transport from the Golgi complex, including transport of AQP2 from the TGN to sites of AQP2 phosphorylation. Additionally required for primary cilium formation, possibly by being involved in the transport of raft lipids to the apical membrane, and for membrane tubulation (By similarity).
Cellular Location	Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein; Cytoplasmic side. Note=Binds through its PH domain to PtdIns(4)P and ARF1, and subsequently localizes to TGN exit sites
Tissue Location	Expressed in kidney cell lines.

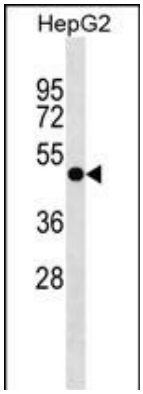
Background

PLEKHA8 is involved in TGN-to-plasma membrane transport and in the formation of post-Golgi constitutive carriers. May play a role in ensuring the coordination of the budding and the fission reactions.

References

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Cao, X., et al. Proc. Natl. Acad. Sci. U.S.A. 106(50):21121-21125(2009)
Tritz, R., et al. Biochem. Biophys. Res. Commun. 383(2):167-171(2009)
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Images



PLEKHA8 Antibody (C-term) (Cat. #AP18305b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the PLEKHA8 antibody detected the PLEKHA8 protein (arrow).

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