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PLEKHA8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18305b

Specification

PLEKHA8 Antibody (C-term) - Product Information

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

PLEKHA8 Antibody (C-term) - 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.

PLEKHA8 Antibody (C-term) - Protein Information

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Name PLEKHA8

Synonyms FAPP2

Function Cargo transport protein that is required for apical transport from the Golgi complex. Transports AQP2 from the trans-Golgi network (TGN) to sites of AQP2 phosphorylation. Mediates the non-vesicular transport of glucosylceramide (GlcCer) from the trans-Golgi network (TGN) to the plasma membrane and plays a pivotal role in the synthesis of complex glycosphingolipids. Binding of both phosphatidylinositol 4- phosphate (PIP) and ARF1 are essential for the GlcCer transfer ability. Also required for primary cilium formation, possibly by being involved in the transport of raft lipids to the apical membrane, and for membrane tubulation.

Cellular Location
Golgi apparatus, trans-Golgi network membrane. Membrane; Peripheral membrane protein. Note=Binds through its PH domain to PtdIns(4)P and ARF1, and subsequently localizes to TGN exit sites

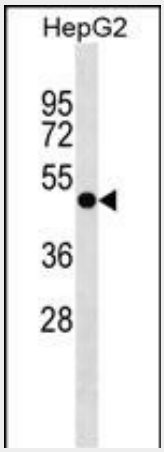
Tissue Location
Expressed in kidney cell lines.

PLEKHA8 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PLEKHA8 Antibody (C-term) - 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).

PLEKHA8 Antibody (C-term) - 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.

PLEKHA8 Antibody (C-term) - References

Tsao, D.A., et al. DNA Cell Biol. 29(6):285-293(2010)
Cao, X., et al. Proc. Natl. Acad. Sci. U.S.A. 106(50):21121-21125(2009)
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Yamaji, T., et al. IUBMB Life 60(8):511-518(2008)
D'Angelo, G., et al. Nature 449(7158):62-67(2007)