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PLEKHA8 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18305b

Specification

PLEKHA8 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q96JA3

PLEKHA8 Antibody (C-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLEKHA8 Antibody (C-term) Blocking Peptide - Protein Information

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) Blocking Peptide - Protocols

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

- Blocking Peptides

PLEKHA8 Antibody (C-term) Blocking Peptide - Images

PLEKHA8 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)Tritz, R., et al. Biochem. Biophys. Res. Commun. 383(2):167-171(2009)Yamaji, T., et al. IUBMB Life 60(8):511-518(2008)D'Angelo, G., et al. Nature 449(7158):62-67(2007)