

**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)