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PLEKHF2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16820c

Specification

PLEKHF2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9H8W4

PLEKHF2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 79666

Other Names
Pleckstrin homology domain-containing family F member 2, PH domain-containing family F member 2, Endoplasmic reticulum-associated apoptosis-involved protein containing PH and FYVE domains, EAPF, PH and FYVE domain-containing protein 2, Phafin-2, Phafin2, Zinc finger FYVE domain-containing protein 18, PLEKHF2, ZFYVE18

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.

PLEKHF2 Antibody (Center) Blocking Peptide - Protein Information

Name PLEKHF2

Synonyms ZFYVE18

Function
May play a role in early endosome fusion upstream of RAB5, hence regulating receptor trafficking and fluid-phase transport. Enhances cellular sensitivity to TNF-induced apoptosis (PubMed:18288467).

Cellular Location
Early endosome membrane; Peripheral membrane protein. Endoplasmic reticulum. Note=Colocalizes with EEA1 and RAB5 at endosomal membrane fusion hot spots (PubMed:19995552). May translocate to the endoplasmic reticulum in the early phase of apoptosis (PubMed:18288467).

Tissue Location
Expressed in placenta, ovary and small intestine, as well as in heart and pancreas. Also expressed in peripheral blood mononuclear cells and dendritic cells.

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PLEKHF2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PLEKHF2 Antibody (Center) Blocking Peptide - Images

PLEKHF2 Antibody (Center) Blocking Peptide - Background

PLEKHF2 (Phafin 2) is a PH and FYVE domain containing protein 2. The FYVE domain and Zinc binding domain targets proteins to membrane lipids via interaction with phosphatidylinositol 3 phosphate, PI3P. The FYVE domain and Zinc binding domain present in Fab1, YOTB, Vac1, and EEA1.

PLEKHF2 Antibody (Center) Blocking Peptide - References

Lin, W.J., et al. Biochem. Biophys. Res. Commun. 391(1):1043-1048(2010)Li, C., et al. J. Mol. Med. 86(4):471-484(2008)Olsen, J.V., et al. Cell 127(3):635-648(2006)