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ZFYVE16 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP5120a

Specification

ZFYVE16 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q7Z3T8

ZFYVE16 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9765

Other Names
Zinc finger FYVE domain-containing protein 16, Endofin, Endosome-associated FYVE domain protein, ZFYVE16, KIAA0305

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.

ZFYVE16 Antibody (N-term) Blocking Peptide - Protein Information

Name ZFYVE16

Synonyms KIAA0305

Function
May be involved in regulating membrane trafficking in the endosomal pathway. Overexpression induces endosome aggregation. Required to target TOM1 to endosomes.

Cellular Location
Cytoplasm. Early endosome membrane; Peripheral membrane protein. Note=Localized to early endosomes. Membrane-associated, probably via its association with phosphatidylinositol 3-phosphate (PI3P)

Tissue Location
Widely expressed. Highly expressed in kidney, placenta and lung. Expressed at intermediate level in heart, brain, skeletal muscle, spleen and liver. Weakly expressed in colon, thymus and peripheral blood lymphocytes.

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ZFYVE16 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ZFYVE16 Antibody (N-term) Blocking Peptide - Images

ZFYVE16 Antibody (N-term) Blocking Peptide - Background

The ZFYVE16 gene encodes endofin, an endosomal protein implicated in regulating membrane trafficking. It is characterized by the presence of a phosphatidylinositol 3-phosphate-binding FYVE domain positioned in the middle of the molecule.

ZFYVE16 Antibody (N-term) Blocking Peptide - References

Toy, W., et al. Cell. Signal. 22(3):437-446(2010)Chen, Y., et al. Proteomics 7(14):2384-2397(2007)Shi, W., et al. J. Cell. Sci. 120 (PT 7), 1216-1224 (2007)