

PLEKHA1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18230c**Specification****PLEKHA1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9HB21](#)**PLEKHA1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 59338

Other Names

Pleckstrin homology domain-containing family A member 1, PH domain-containing family A member 1, Tandem PH domain-containing protein 1, TAPP-1, PLEKHA1, TAPP1

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.

PLEKHA1 Antibody (Center) Blocking Peptide - Protein Information

Name PLEKHA1

Synonyms TAPP1

Function

Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane.

PLEKHA1 Antibody (Center) Blocking Peptide - Background

This gene encodes a pleckstrin homology domain-containing adapter protein. The encoded protein is localized to the plasma membrane where it specifically binds phosphatidylinositol 3,4-bisphosphate. This protein may be involved in the formation of signaling complexes in the plasma membrane. Polymorphisms in this gene are associated with age-related macular degeneration. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5.

PLEKHA1 Antibody (Center) Blocking Peptide - References

Deangelis, M.M., et al. *Ophthalmology* 115(7):1209-1215(2008)
Manna, D., et al. *J. Biol. Chem.* 282(44):32093-32105(2007)
Kanda, A., et al. *Proc. Natl. Acad. Sci. U.S.A.* 104(41):16227-16232(2007)
Leveziel, N., et al. *Mol. Vis.* 13, 2153-2159 (2007)
Hogan, A., et al. *J. Biol. Chem.* 279(51):53717-53724(2004)

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein. Nucleus. Note=Locates to the plasma membrane after treatments that stimulate the production of PtdIns3,4P2

Tissue Location

Highly expressed in skeletal muscle, thymus, pancreas, placenta and lung. Detected at low levels in brain, heart, peripheral blood leukocytes, testis, ovary, spinal cord, thyroid, kidney, liver, small intestine and colon.

PLEKHA1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)