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Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP7180a

Specification

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q6IBS0

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - Additional Information

Gene ID 11344

Other Names
Twinfilin-2, A6-related protein, hA6RP, Protein tyrosine kinase 9-like, Twinfilin-1-like protein, TWF2, PTK9L

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7180a was selected from the C-term region of human PTK9L. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - Protein Information

Name TWF2

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene was identified by its interaction with the catalytic domain of protein kinase C-zeta. The encoded protein contains an actin-binding site and an ATP-binding site. It is most closely related to twinfilin (PTK9), a conserved actin monomer-binding protein.

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - References

Rohwer, A., et al., Eur. J. Biochem. 263(2):518-525 (1999).

Synonyms PTK9L

Function
Actin-binding protein involved in motile and morphological processes. Inhibits actin polymerization, likely by sequestering G-actin. By capping the barbed ends of filaments, it also regulates motility. Seems to play an important role in clathrin-mediated endocytosis and distribution of endocytic organelles. May play a role in regulating the mature length of the middle and short rows of stereocilia (By similarity).

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm, perinuclear region. Cell projection, stereocilium. Note=Perinuclear and G-actin-rich cortical actin structure sublocalization

Tissue Location
Ubiquitously expressed (at protein level).

Twinfilin-2 (PTK9L) Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides