

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 <u>Q6IBS0</u>

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

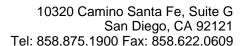
Name TWF2

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 Gactin. 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