

**TWF1 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP21741c

**Specification**

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**TWF1 Blocking Peptide (Center) - Product Information**

Primary Accession

[Q12792](#)**TWF1 Blocking Peptide (Center) - Additional Information**

Gene ID 5756

**Other Names**

Twinfilin-1, Protein A6, Protein tyrosine kinase 9, TWF1, PTK9

**Target/Specificity**

The synthetic peptide sequence is selected from aa 157-171 of HUMAN TWF1

**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.

**TWF1 Blocking Peptide (Center) - Protein Information**

Name TWF1

Synonyms PTK9

**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 (By similarity).

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Note=Diffuse cytoplasmic localization with perinuclear and G-actin-rich cortical actin structures sublocalization. Also found at membrane ruffles and cell-cell contacts (By similarity).

**Tissue Location**

Expressed at high levels in the colon, testis, ovary, prostate and lung. Expressed at lower levels in the brain, bladder and heart. Not detected in liver.

## **TWF1 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **TWF1 Blocking Peptide (Center) - Images**

## **TWF1 Blocking Peptide (Center) - Background**

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## **TWF1 Blocking Peptide (Center) - References**

Beeler J.F.,et al.Mol. Cell. Biol. 14:982-988(1994).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.