

**FHOD1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16586b****Specification**

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**FHOD1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9Y613](#)**FHOD1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29109**Other Names**

FH1/FH2 domain-containing protein 1, Formin homolog overexpressed in spleen 1, FHOS, Formin homology 2 domain-containing protein 1, FHOD1, FHOS, FHOS1

**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.

**FHOD1 Antibody (C-term) Blocking Peptide - Protein Information****Name** FHOD1**Synonyms** FHOS, FHOS1**Function**

Required for the assembly of F-actin structures, such as stress fibers. Depends on the Rho-ROCK cascade for its activity. Contributes to the coordination of microtubules with actin fibers and plays a role in cell elongation. Acts synergistically with ROCK1 to promote SRC-dependent non-apoptotic plasma membrane blebbing.

**Cellular Location**

Cytoplasm. Cytoplasm, cytoskeleton. Cell projection, bleb. Note=Predominantly cytoplasmic

**Tissue Location**

Ubiquitous. Highly expressed in spleen.

**FHOD1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **FHOD1 Antibody (C-term) Blocking Peptide - Images**

#### **FHOD1 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a protein which is a member of the formin/diaphanous family of proteins. The gene is ubiquitously expressed but is found in abundance in the spleen. The encoded protein has sequence homology to diaphanous and formin proteins within the Formin Homology (FH)1 and FH2 domains. It also contains a coiled-coil domain, a collagen-like domain, two nuclear localization signals, and several potential PKC and PKA phosphorylation sites. It is a predominantly cytoplasmic protein and is expressed in a variety of human cell lines. [provided by RefSeq].

#### **FHOD1 Antibody (C-term) Blocking Peptide - References**

Hannemann, S., et al. J. Biol. Chem. 283(41):27891-27903(2008) Schulte, A., et al. Structure 16(9):1313-1323(2008) Takeya, R., et al. EMBO J. 27(4):618-628(2008) Schulte, A., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 63 (PT 10), 878-881 (2007) : Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)