

**HOOK2 Blocking Peptide (N-term)**

Synthetic peptide

Catalog # BP21495a

**Specification**

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**HOOK2 Blocking Peptide (N-term) - Product Information**

Primary Accession

[Q96ED9](#)**HOOK2 Blocking Peptide (N-term) - Additional Information**

Gene ID 29911

**Other Names**

Protein Hook homolog 2, h-hook2, hHK2, HOOK2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 162-177 of HUMAN HOOK2

**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.

**HOOK2 Blocking Peptide (N-term) - Protein Information**

Name HOOK2

**Function**

Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Contributes to the establishment and maintenance of centrosome function. May function in the positioning or formation of aggresomes, which are pericentriolar accumulations of misfolded proteins, proteasomes and chaperones. FHF complex promotes the distribution of AP-4 complex to the perinuclear area of the cell (PubMed:<a href="http://www.uniprot.org/citations/32073997" target="\_blank">32073997</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q7TMK6}. Golgi apparatus, trans-Golgi network. Note=Colocalizes with aggresomes, which are aggregates of misfolded proteins, at the centrosome (PubMed:17540036). Also localizes to punctate cytoplasmic foci which do not appear to overlap with early or late endosomes, the endoplasmic reticulum, multivesicular bodies (MVBs), lysosome, or mitochondria (PubMed:17540036, PubMed:32073997). Often found in close

association with microtubules (PubMed:17540036). Localizes to the manchette in elongating spermatids (By similarity). {ECO:0000250|UniProtKB:Q7TMK6, ECO:0000269|PubMed:17540036, ECO:0000269|PubMed:32073997}

### **HOOK2 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **HOOK2 Blocking Peptide (N-term) - Images**

### **HOOK2 Blocking Peptide (N-term) - Background**

Component of the FTS/Hook/FHIP complex (FHF complex). The FHF complex may function to promote vesicle trafficking and/or fusion via the homotypic vesicular protein sorting complex (the HOPS complex). Contributes to the establishment and maintenance of centrosome function. May function in the positioning or formation of aggresomes, which are pericentriolar accumulations of misfolded proteins, proteasomes and chaperones.

### **HOOK2 Blocking Peptide (N-term) - References**

Kraemer H.,et al.Genetics 151:675-684(1999).  
Grimwood J.,et al.Nature 428:529-535(2004).  
Walenta J.H.,et al.J. Cell Biol. 152:923-934(2001).  
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