

**HOOK2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21495a****Specification**

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**HOOK2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96ED9</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	83207

**HOOK2 Antibody (N-term) - Additional Information****Gene ID** 29911**Other Names**

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

**Target/Specificity**

This HOOK2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 162-197 amino acids from the N-terminal region of human HOOK2.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HOOK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HOOK2 Antibody (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:[32073997](#)).

#### Cellular Location

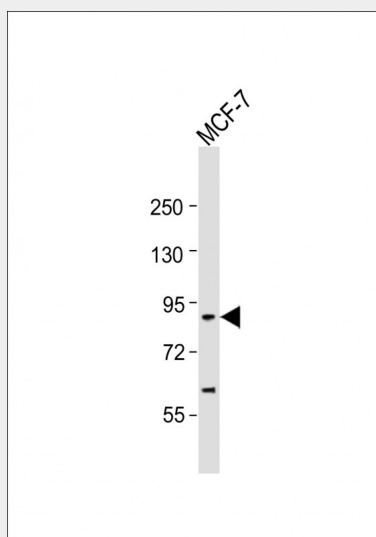
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q7TMK6}. Golgi apparatus, trans-Golgi network. Note=Colocalizes with aggresomes, which are aggregates of misfolded proteins, at the centrosome (PubMed:17540036). Also localizes 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 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### HOOK2 Antibody (N-term) - Images



Anti-HOOK2 Antibody (N-term) at 1:2000 dilution + MCF-7 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

#### HOOK2 Antibody (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 Antibody (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).  
Szebenyi G.,et al.BMC Cell Biol. 8:19-19(2007).  
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