

**HOOK3 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15256****Specification**

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**HOOK3 Antibody - C-terminal region - Product Information**

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|-------------------|----------------------------------------------------------------------|
| Application       | WB                                                                   |
| Primary Accession | <a href="#">Q86VS8</a>                                               |
| Other Accession   | <a href="#">NM_032410</a> , <a href="#">NP_115786</a>                |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                               |
| Clonality         | Polyclonal                                                           |
| Calculated MW     | 83kDa kDa                                                            |

**HOOK3 Antibody - C-terminal region - Additional Information****Gene ID** 84376**Alias Symbol** **FLJ31058, HK3**  
**Other Names**  
Protein Hook homolog 3, h-hook3, hHK3, HOOK3**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-HOOK3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HOOK3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**HOOK3 Antibody - C-terminal region - Protein Information****Name** HOOK3 ([HGNC:23576](#))**Function**

Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track). Predominantly recruits 2 dyneins, which increases both the force and speed of the microtubule motor (PubMed:<a href="http://www.uniprot.org/citations/25035494" target="\_blank">25035494</a>, PubMed:<a href="http://www.uniprot.org/citations/33734450" target="\_blank">33734450</a>). 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). May regulate clearance of endocytosed receptors such as MSR1. Participates in defining the architecture and localization of the Golgi complex. 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**

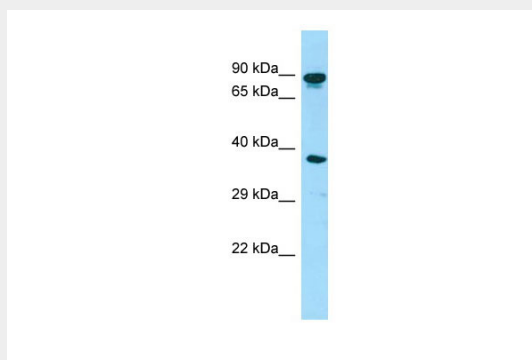
Cytoplasm, cytoskeleton. Golgi apparatus. Note=Enriched at the cis-face of the Golgi complex. Localizes to microtubule asters in prophase (PubMed:11238449). Localizes to the manchette in elongating spermatids (By similarity). {ECO:0000250|UniProtKB:Q8BUK6, ECO:0000269|PubMed:11238449}

#### **HOOK3 Antibody - C-terminal region - 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](#)

#### **HOOK3 Antibody - C-terminal region - Images**



WB Suggested Anti-HOOK3 Antibody Titration: 1.0 µg/ml  
Positive Control: Fetal Heart

#### **HOOK3 Antibody - C-terminal region - References**

Walenta J.H.,et al.J. Cell Biol. 152:923-934(2001).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Beausoleil S.A.,et al.Nat. Biotechnol. 24:1285-1292(2006).  
Sano H.,et al.J. Biol. Chem. 282:7973-7981(2007).