

**C16orf48 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP59315****Specification**

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**C16orf48 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O9H0I2</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38759

**C16orf48 Polyclonal Antibody - Additional Information****Gene ID** 84080**Other Names**

Enkurin domain-containing protein 1, ENKD1, C16orf48

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**C16orf48 Polyclonal Antibody - Protein Information****Name** ENKD1**Synonyms** C16orf48**Function**

Microtubule-binding protein which regulates microtubule organization and stability (PubMed:<a href="http://www.uniprot.org/citations/35072334" target="\_blank">35072334</a>, PubMed:<a href="http://www.uniprot.org/citations/35197565" target="\_blank">35197565</a>). Promotes the stability of astral microtubules and facilitates the proper orientation of the mitotic spindle (PubMed:<a href="http://www.uniprot.org/citations/35197565" target="\_blank">35197565</a>). This allows the oriented division of basal keratinocytes and contributes to epidermal stratification (By similarity). Required for the assembly of both primary and motile cilia (PubMed:<a

[35301795](http://www.uniprot.org/citations/35301795)). Destabilizes the interaction between CCP110 and CEP97 by competing with CEP97 for binding to CCP110 which promotes the removal of CCP110 and CEP97 from the mother centriole and allows the initiation of ciliogenesis (PubMed:[35301795](http://www.uniprot.org/citations/35301795)).

#### **Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, cilium axoneme. Note=Localized at the centrosome and accumulates at the parental centrioles during centriole duplication in cycling cells (PubMed:35301795). In ciliated cells, detected at the basal body of the cilium (PubMed:35301795). Localizes to the centrosome during interphase, to the primary cilium at G0, to the spindle poles during mitosis and to the centrosomes and central spindle during telophase and cytokinesis (PubMed:35072334)

#### **C16orf48 Polyclonal Antibody - 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](#)

#### **C16orf48 Polyclonal Antibody - Images**