

C16orf48 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP59315

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9H0I2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38759

Additional Information

Gene ID	84080
Other Names	Enkurin domain-containing protein 1, ENKD1, C16orf48
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	ENKD1
Synonyms	C16orf48
Function	Microtubule-binding protein which regulates microtubule organization and stability (PubMed: 35072334 , PubMed: 35197565). Promotes the stability of astral microtubules and facilitates the proper orientation of the mitotic spindle (PubMed: 35197565). 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: 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).
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)

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