

CP048 Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP9353a

Specification

CP048 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

[Q9H0I2](#)**CP048 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 84080

Other Names

Enkurin domain-containing protein 1, ENKD1, C16orf48

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.

CP048 Antibody (N-term) Blocking Peptide - Protein Information

Name ENKD1

Synonyms C16orf48

Function

Microtubule-binding protein which regulates microtubule organization and stability (PubMed:35197565, PubMed:35072334). 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)

CP048 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CP048 Antibody (N-term) Blocking Peptide - Images

CP048 Antibody (N-term) Blocking Peptide - References

Xin,X. Genome Res. 19 (7), 1262-1269 (2009)Clark,H.F. Genome Res. 13 (10), 2265-2270 (2003)Simpson,J.C. EMBO Rep. 1 (3), 287-292 (2000)