

CCDC120 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13363a**Specification**

CCDC120 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96HB5](#)**CCDC120 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 90060**Other Names**

Coiled-coil domain-containing protein 120, CCDC120

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13363a was selected from the N-term region of CCDC120. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

CCDC120 Antibody (N-term) Blocking peptide - Protein Information**Name** CCDC120**Function**

Centriolar protein required for centriole subdistal appendage assembly and microtubule anchoring in interphase cells (PubMed:28422092). Together with CCDC68, cooperate with subdistal appendage components ODF2, NIN and CEP170 for hierarchical subdistal appendage assembly (PubMed:28422092). Recruits NIN and CEP170 to centrosomes (PubMed:28422092). Also required for neurite growth. Localizes CYTH2 to vesicles to allow its transport along neurites, and subsequent ARF6 activation and neurite growth.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm. Cell projection, neuron projection. Cell projection, growth cone. Endosome Note=Localizes to the subdistal appendages of mother centrioles and proximal ends of both centrioles in interphase cells

(PubMed:28422092) Recruited to subdistal appendages by ODF2 (PubMed:28422092). In differentiating neuroblastoma cells, colocalizes with CYTH2 in both neurite shaft and growth cone areas (PubMed:25326380). Partially colocalizes with endosomes along neurites in differentiating neuroblastoma cells (PubMed:25326380).

CCDC120 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CCDC120 Antibody (N-term) Blocking peptide - Images

CCDC120 Antibody (N-term) Blocking peptide - Background

This gene encodes a protein that contains a coiled-coil domain. Four alternatively spliced transcript variants that encoded different protein isoforms have been described for this gene.

CCDC120 Antibody (N-term) Blocking peptide - References

Xin, X., et al. Genome Res. 19(7):1262-1269(2009) Tarpey, P.S., et al. Nat. Genet. 41(5):535-543(2009) Matsuoka, S., et al. Science 316(5828):1160-1166(2007)