

**CCDC21 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5200b****Specification**

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**CCDC21 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q6P2H3](#)**CCDC21 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 64793**Other Names**

Centrosomal protein of 85 kDa, Cep85, Coiled-coil domain-containing protein 21, CEP85, CCDC21

**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.

**CCDC21 Antibody (C-term) Blocking peptide - Protein Information****Name** CEP85 ([HGNC:25309](#))**Synonyms** CCDC21**Function**

Acts as a regulator of centriole duplication through a direct interaction with STIL, a key factor involved in the early steps of centriole formation. The CEP85-STIL protein complex acts as a modulator of PLK4-driven cytoskeletal rearrangements and directional cell motility (PubMed:<a href="http://www.uniprot.org/citations/29712910" target="\_blank">29712910</a>, PubMed:<a href="http://www.uniprot.org/citations/32107292" target="\_blank">32107292</a>). Acts as a negative regulator of NEK2 to maintain the centrosome integrity in interphase. Suppresses centrosome disjunction by inhibiting NEK2 kinase activity (PubMed:<a href="http://www.uniprot.org/citations/26220856" target="\_blank">26220856</a>).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Nucleus, nucleolus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cell cortex. Note=Localizes to centrosomes and nucleolus in interphase. Upon entry into mitosis, relocates from nucleolus and accumulates at spindle poles (PubMed:21399614). Associated with the pericentriolar material Localizes to centrosomes at a low level in G1 phase and a slightly increased level in S phase, with gradually elevated levels during

G2 phase. The levels at centrosomes further increase at G2/M, reaching a peak at spindle poles at early mitotic stages and remain high until the end of anaphase (PubMed:26220856). Localizes at the leading edge (PubMed:32107292).

### **CCDC21 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **CCDC21 Antibody (C-term) Blocking peptide - Images**