

CCDC22 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13480b**Specification**

CCDC22 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [O60826](#)**CCDC22 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 28952**Other Names**

Coiled-coil domain-containing protein 22, CCDC22, CXorf37

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13480b was selected from the C-term region of CCDC22. 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.

CCDC22 Antibody (C-term) Blocking peptide - Protein Information**Name** CCDC22**Synonyms** CXorf37**Function**

Involved in regulation of NF-kappa-B signaling. Promotes ubiquitination of I-kappa-B-kinase subunit IKBKB and its subsequent proteasomal degradation leading to NF-kappa-B activation; the function may involve association with COMMD8 and a CUL1-dependent E3 ubiquitin ligase complex. May down-regulate NF-kappa-B activity via association with COMMD1 and involving a CUL2-dependent E3 ubiquitin ligase complex. Regulates the cellular localization of COMMD domain-containing proteins, such as COMMD1 and COMMD10 (PubMed:23563313). Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels. The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1 (PubMed:28892079, PubMed:25355947). Plays a role in copper ion homeostasis. Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes (PubMed:25355947).

Cellular Location

Endosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

Tissue Location

Widely expressed in adult tissues and in fetal liver and brain, with highest levels in prostate and lowest in skeletal muscle.

CCDC22 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CCDC22 Antibody (C-term) Blocking peptide - Images**CCDC22 Antibody (C-term) Blocking peptide - Background**

The specific function of the protein remains unknown.

CCDC22 Antibody (C-term) Blocking peptide - References

Suttner, K., et al. J. Allergy Clin. Immunol. 125(6):1395-1399(2010)Tomsig, J.L., et al. J. Biol. Chem. 278(12):10048-10054(2003)