

CCDC40 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10545a**Specification**

CCDC40 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O4G0X9](#)
Other Accession [NP_060420.2](#)

CCDC40 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 55036

Other Names

Coiled-coil domain-containing protein 40, CCDC40, KIAA1640

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.

CCDC40 Antibody (N-term) Blocking Peptide - Protein Information

Name CCDC40 ([HGNC:26090](#))

Function

Required for assembly of dynein regulatory complex (DRC) and inner dynein arm (IDA) complexes, which are responsible for ciliary beat regulation, thereby playing a central role in motility in cilia and flagella (PubMed:21131974). Probably acts together with CCDC39 to form a molecular ruler that determines the 96 nanometer (nm) repeat length and arrangements of components in cilia and flagella (By similarity). Not required for outer dynein arm complexes assembly. Required for axonemal recruitment of CCDC39 (PubMed:21131974).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8BI79}. Cell projection, cilium. Note=Localizes to cytoplasm and motile cilium. {ECO:0000250|UniProtKB:Q8BI79}

CCDC40 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CCDC40 Antibody (N-term) Blocking Peptide - Images

CCDC40 Antibody (N-term) Blocking Peptide - References

Kimura, K., et al. Genome Res. 16(1):55-65(2006)Ota, T., et al. Nat. Genet.
36(1):40-45(2004)Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A.
99(26):16899-16903(2002)Nagase, T., et al. DNA Res. 7(4):273-281(2000)