10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCDC141 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16548a

Specification

CCDC141 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q6ZP82
Other Accession	http://www.ncbi.nlm.nih.gov/protein/NP_775919.2==NP_775919.2@@http://www.uniprot.org/uniprot/Q6ZP82=

CCDC141 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 285025

Other Names
Coiled-coil domain-containing protein 141, Coiled-coil protein associated with myosin II and DISC1, CCDC141, CAMDI {ECO:0000303|PubMed:20956536}

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.

CCDC141 Antibody (N-term) Blocking Peptide - Protein Information

Name CCDC141

Synonyms CAMDI {ECO:0000303|PubMed:20956536}

Function
Plays a critical role in cortical radial and GnRH neurons migration during brain development. Regulates cortical radial migration by negatively controlling the activity of histone deacetylase 6 (HDAC6) and promotes centrosome maturation. CAMDI is required for dilation formation of cortical neurons during radial migration. Plays a critical role in learning and memory performance through regulation of AMPA- selective glutamate receptors (AMPARs) cell surface expression in competition with KIBRA.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:E9Q8Q6}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:E9Q8Q6}. Note=Co-localized with DISC1 at/around the centrosome. Localizes to the centrosome, at least in part, in a DISC1-dependent manner. Accumulates and oscillates at the dilation in cortical neurons during migration. CAMDI protein level

is stabilized at the G1 phase and destabilized at the G2 /M phase {ECO:0000250|UniProtKB:E9Q8Q6}

CCDC141 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CCDC141 Antibody (N-term) Blocking Peptide - Images

CCDC141 Antibody (N-term) Blocking Peptide - References

Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009)Morris, J.A., et al. Hum. Mol. Genet. 12(13):1591-1608(2003)