

CCDC115 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11342a**Specification**

CCDC115 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O96NT0](#)
Other Accession [NP_115733.2](#)

CCDC115 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 84317

Other Names

Coiled-coil domain-containing protein 115, CCDC115

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.

CCDC115 Antibody (N-term) Blocking peptide - Protein Information

Name CCDC115 {ECO:0000303|PubMed:26833332, ECO:0000312|HGNC:HGNC:28178}

Function

Accessory component of the proton-transporting vacuolar (V)-ATPase protein pump involved in intracellular iron homeostasis. In aerobic conditions, required for intracellular iron homeostasis, thus triggering the activity of Fe(2+) prolyl hydroxylase (PHD) enzymes, and leading to HIF1A hydroxylation and subsequent proteasomal degradation. Necessary for endolysosomal acidification and lysosomal degradation (PubMed:28296633). May be involved in Golgi homeostasis (PubMed:26833332).

Cellular Location

Endosome {ECO:0000250|UniProtKB:Q8VE99}. Lysosome {ECO:0000250|UniProtKB:Q8VE99}. Endoplasmic reticulum-Golgi intermediate compartment. Cytoplasmic vesicle, COPI-coated vesicle. Endoplasmic reticulum

Tissue Location

Expressed throughout the brain.

CCDC115 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CCDC115 Antibody (N-term) Blocking peptide - Images