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CCDC155 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20386c

Specification

CCDC155 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q8N6L0
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**62783**
Antigen Region	**159-185**

CCDC155 Antibody (Center) - Additional Information

Gene ID 147872

Other Names
Protein KASH5, Coiled-coil domain-containing protein 155, KASH domain-containing protein 5, CCDC155, KASH5

Target/Specificity
This CCDC155 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-185 amino acids from the Central region of human CCDC155.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CCDC155 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CCDC155 Antibody (Center) - Protein Information

Name KASH5 (HGNC:26520)

Synonyms CCDC155

Function As a component of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. Required for telomere attachment to nuclear envelope in the prophase of meiosis (PubMed:35587281). Required for rapid telomere prophase movements implicating a SUN1/2:KASH5 LINC complex in which SUN1 and SUN2 seem to act at least partial redundantly. Required for homolog pairing during meiotic prophase in spermatocytes and probably oocytes. Essential for male and female gametogenesis (PubMed:35587281). Recruits cytoplasmic dynein to telomere attachment sites at the nuclear envelope in spermatocytes. In oocytes is involved in meiotic resumption and spindle formation.

Cellular Location
Nucleus outer membrane {ECO:0000250|UniProtKB:Q80VJ8, ECO:0000305}; Single-pass type IV membrane protein; Cytoplasmic side. Nucleus {ECO:0000250|UniProtKB:Q80VJ8}. Chromosome, telomere {ECO:0000250|UniProtKB:Q80VJ8}. Nucleus envelope. Note=Localized exclusively at telomeres from the leptotene to diplotene stages. Colocalizes with SUN2 at sites of telomere attachment in meiocytes. At oocyte MI stage localized around the spindle, at MII stage localized to the spindle poles {ECO:0000250|UniProtKB:Q80VJ8}

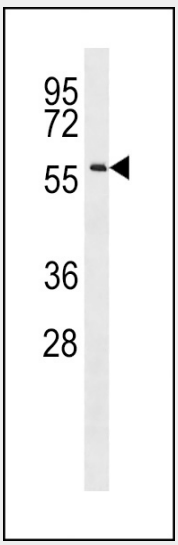
Tissue Location
Expressed in testis (at protein level).

CCDC155 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCDC155 Antibody (Center) - Images



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CCDC155 Antibody (Center) (Cat. #AP20386c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the CCDC155 antibody detected the CCDC155 protein (arrow).

CCDC155 Antibody (Center) - Background

The function of this protein remains unknown.