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CCDC155 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20386c

Product Information

Application	WB, E
Primary Accession	Q8N6L0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42894
Calculated MW	62783
Antigen Region	159-185

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.

Protein Information

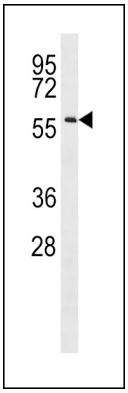
Name	KASH5 (HGNC:26520)
Synonyms	CCDC155
Function	As a component of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex, involved in the connection between the nuclear lamina and the

	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).

Background

The function of this protein remains unknown.

Images



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.