

CCDC61 Rabbit pAb

Catalog # AP96902

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y6R9
Other Accession	Q9Y6R9
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57368
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC61
Epitope Specificity	265-370/474
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The specific function of CCDC61 remains unknown.

Additional Information

Gene ID	729440
Other Names	VFL3; hVFL3; CCD61_HUMAN; CCDC61; Coiled-coil domain-containing protein 61; VFL3 homolog; coiled-coil domain containing 61; variable flagellar number 3 homolog (C. reinhardtii)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CCDC61 (HGNC:33629)
Function	Microtubule-binding centrosomal protein required for centriole cohesion, independently of the centrosome-associated protein/CEP250 and rootletin/CROCC linker (PubMed: 31789463). In interphase, required for anchoring microtubule at the mother centriole subdistal appendages and for centrosome positioning (PubMed: 31789463). During mitosis, may be involved in spindle assembly and chromatin alignment by regulating the organization of spindle microtubules into a symmetrical structure (PubMed: 30354798). Has

been proposed to play a role in CEP170 recruitment to centrosomes (PubMed:[30354798](#)). However, this function could not be confirmed (PubMed:[31789463](#)). Plays a non-essential role in ciliogenesis (PubMed:[31789463](#), PubMed:[32375023](#)).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cytoplasm, cytoskeleton, cilium basal body
Note=Localization at the centriolar satellite is dependent on intact microtubule network (PubMed:30354798). Localizes at the centriole subdistal appendages and proximal ends (PubMed:31789463). Localized to centrosomal/satellite-like structures with the onset of centrosome separation in early G2 (PubMed:30354798).

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