

CCDC19 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10437a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UL16
Other Accession	NP_036469.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30101
Calculated MW	65730
Antigen Region	106-135

Additional Information

Gene ID	25790
Other Names	Protein CFAP45, mitochondrial, Cilia- and flagella-associated protein 45 {ECO:0000312 HGNC:HGNC:17229}, Coiled-coil domain-containing protein 19, Nasopharyngeal epithelium-specific protein 1 {ECO:0000312 EMBL:AAD558171}, CFAP45 (HGNC:17229)
Target/Specificity	This CCDC19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-135 amino acids from the N-terminal region of human CCDC19.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	CCDC19 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CFAP45 (HGNC:17229)
Function	Microtubule inner protein (MIP) part of the dynein-decorated doublet

microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:[36191189](#)). It is an AMP-binding protein that may facilitate dynein ATPase-dependent ciliary and flagellar beating via adenine nucleotide homeostasis. May function as a donor of AMP to AK8 and hence promote ADP production (PubMed:[33139725](#)).

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme. Cell projection, cilium. Cell projection, cilium, flagellum.
Note=Located in the proximal region of respiratory cilia.

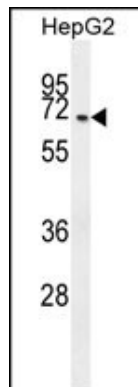
Tissue Location

Expressed in respiratory cells and in sperm (at protein level) (PubMed:33139725). Expressed in nasopharyngeal epithelium and trachea (PubMed:10524255).

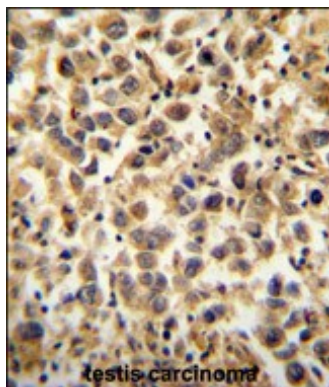
References

Li, Z., et al. Gene 237(1):235-240(1999)

Images



CCDC19 Antibody (N-term) (Cat. #AP10437a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CCDC19 antibody detected the CCDC19 protein (arrow).



CCDC19 Antibody (N-term) (Cat. #AP10437a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CCDC19 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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