

CCDC19 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10437a**Specification**

CCDC19 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9UL16
Other Accession	NP_036469.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65730
Antigen Region	106-135

CCDC19 Antibody (N-term) - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=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~~1:50~100

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.

CCDC19 Antibody (N-term) - 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
Note=Located in the proximal region of respiratory cilia

Tissue Location

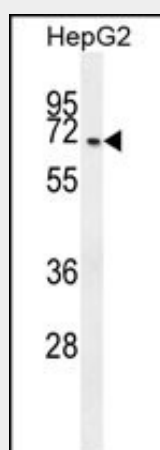
Expressed in respiratory cells and in sperm (at protein level) (PubMed:33139725). Expressed in nasopharyngeal epithelium and trachea (PubMed:10524255).

CCDC19 Antibody (N-term) - Protocols

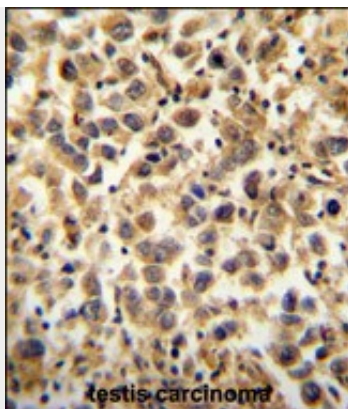
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCDC19 Antibody (N-term) - 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.

CCDC19 Antibody (N-term) - References

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