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# CCDC19 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10437a

## Product Information

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

## Additional Information

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| **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

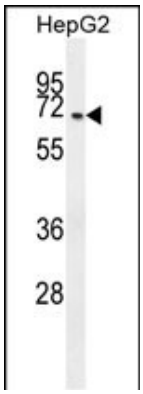
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|---|---|
| **Name** | CFAP45 ( HGNC:17229) |

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| **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). |

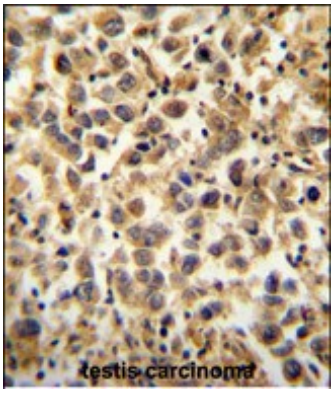
## References

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'.