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CCDC37 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10625a

Product Information

Application	WB, E
Primary Accession	Q494V2
Other Accession	NP_872434.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28388
Calculated MW	71117
Antigen Region	16-45

Additional Information

Gene ID	348807
Other Names	Coiled-coil domain-containing protein 37, CCDC37
Target/Specificity	This CCDC37 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human CCDC37.
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	CCDC37 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CFAP100 (HGNC:26842)
Function	Microtubule-associated protein that promotes microtubule polymerization and regulates microtubule organization (PubMed:37192300). Plays a critical role in ensuring proper epidermal development and function by regulating mitosis in keratinocytes (PubMed:40593606). Maintains spindle pole integrity

during keratinocyte division through the recruitment of the microtubule glutamylase TTLL13 to spindle poles, thereby enhancing localized microtubule glutamylation (PubMed:40593606). This modification stabilizes spindle microtubules, ensuring accurate spindle assembly, faithful chromosome segregation, and efficient mitotic progression (PubMed:40593606). May play a role in ciliary/flagellar motility by regulating the assembly and the activity of axonemal inner dynein arm.

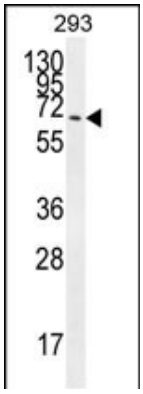
Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:A8I4E9}. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton. Note=Localizes to microtubules

References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

Images



CCDC37 Antibody (N-term) (Cat. #AP10625a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CCDC37 antibody detected the CCDC37 protein (arrow).

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