

CCDC65 Rabbit pAb

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Catalog # AP58872

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IXS2
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57297
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC65
Epitope Specificity	301-400/484
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	CCDC65 is a sperm tail protein that is posttranslationally modified during sperm capacitation (Zheng et al., 2006 [PubMed 17089017]).[supplied by OMIM, Mar 2008].

Additional Information

Gene ID	85478
Other Names	Dynein regulatory complex subunit 2, Coiled-coil domain-containing protein 65, Testis development protein NYD-SP28, DRC2 {ECO:0000303 PubMed:24094744, ECO:0000312 HGNC:HGNC:29937}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	DRC2 {ECO:0000303 PubMed:24094744, ECO:0000312 HGNC:HGNC:29937}
Function	Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes (By

similarity). Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes. Coassembles with DRC1 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules (PubMed:[24094744](#)).

Cellular Location

Cytoplasm, cytoskeleton, flagellum basal body {ECO:0000250|UniProtKB:A8JB22}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:A8JB22}. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:A8JB22}

Tissue Location

Highly expressed in adult testis, in spermatocytes and spermatids. Also observed in spermatogonia. Not detected in Leydig cells, nor in fetal testis (at protein level)

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