

For Research Use Only

CCDC65 Polyclonal antibody

Catalog Number: 24376-1-AP

1 Publications



Basic Information

Catalog Number:

24376-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19357

GenBank Accession Number:

BC039317

GeneID (NCBI):

85478

UNIPROT ID:

Q8IXS2

Full Name:

coiled-coil domain containing 65

Calculated MW:

484 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse testis tissue, rat testis tissue

IP : mouse testis tissue,

IF/ICC : U2OS cells,

Background Information

CCDC65, also known as DRC2, is a sperm tail protein highly expressed in adult testis, spermatocytes, and spermatids. It is a component of the nexin-dynein regulatory complex (N-DRC), a structure important for regulating and orchestrating dynein activity. Mutations in CCDC65 are associated with primary ciliary dyskinesia (PCD), a genetic disorder that affects the structure and function of cilia (PMID: 23991085).

Notable Publications

Author	Pubmed ID	Journal	Application
Ziyan Zhang	35844805	Int J Biol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

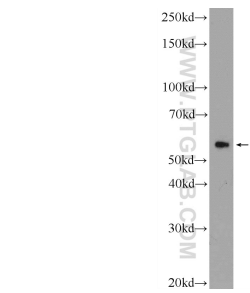
For technical support and original validation data for this product please contact:

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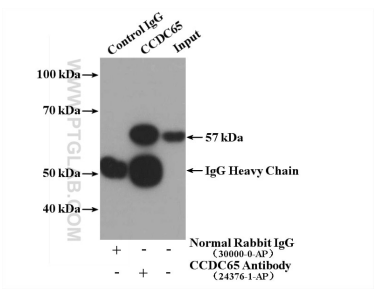
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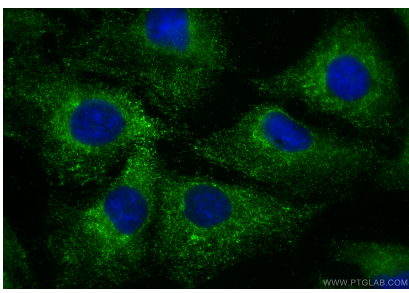
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 24376-1-AP (CCDC65 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-CCDC65 (IP:24376-1-AP, 4ug; Detection:24376-1-AP 1:1000) with mouse testis tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using CCDC65 antibody (24376-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).