Datasheet for ABIN2856453

anti-CCDC68 antibody

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Overview

Quantity:	100 µL
Target:	CCDC68
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCDC68 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CCDC68. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	Knockdown/Knockout validation was supported by references (PMID:28422092).
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to CCDC68 (coiled-coil domain containing 68) CCDC68 antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	CCDC68
Alternative Name:	coiled-coil domain containing 68 (CCDC68 Products)
Molecular Weight:	39 kDa
Gene ID:	80323
UniProt:	Q9H2F9

Application Details

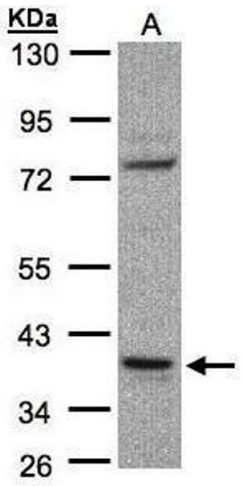
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raji Validation: KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

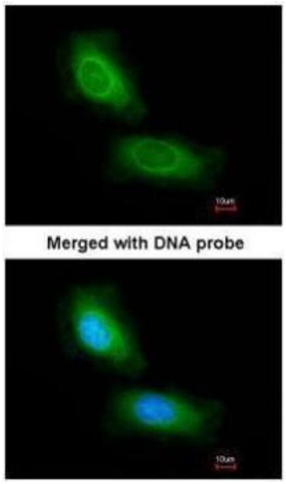
Publications

Product cited in:	Huang, Xia, Zhang, Wang, Bao, He, Teng, Chen: "Hierarchical assembly of centriole subdistal appendages via centrosome binding proteins CCDC120 and CCDC68." in: **Nature communications**, Vol. 8, pp. 15057, (2018) (PubMed).



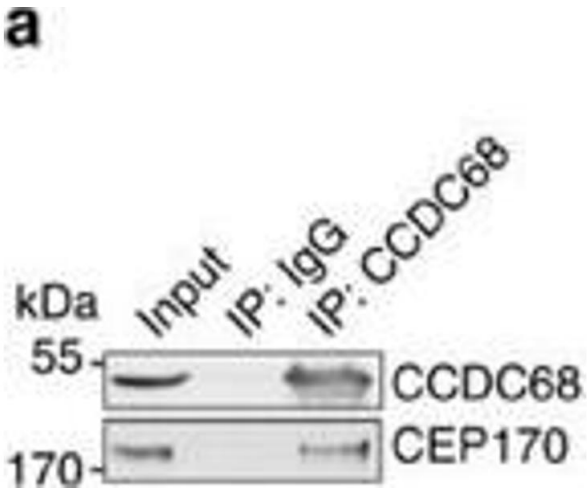
Western Blotting

Image 1. WB Image Sample(30 ug whole cell lysate) A:Raji , 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using CCDC68, antibody at 1:200 dilution.



Western Blotting

Image 3. CCDC68 interacts with CEP170 and is localized at the centrosomes.(a) Immunoprecipitation (IP) of CCDC68 with CEP170 in lysates of HeLa cells. (b) Immunofluorescence of CCDC68 (green) and Centrin-3 (red) in U2OS cells. Scale bar, 500nm. (c-f) 3D-SIM images of Flag-CCDC68-overexpressing U2OS cells double-immunostained with antibodies against Flag (green) and hNinein (c, red), CEP170 (d, red), CCDC120 (e, red) or ODF2 (f, red). Scale bars, 500nm. The intensity plots of the rings are, respectively, shown at right. (g) Average diameter of the ring-like structure formed by the listed proteins. The low-high bars (horizontal) show the range of the diameter and the vertical lines indicate the mean. From the bottom to the top: n=10, 36, and 28. (h) Immuno-EM images. U2OS cells

were labelled with anti-CCDC68 antibody followed by nanogold-coupled secondary antibody. Schematics of immuno-EM images are shown. Scale bar, 200nm. Supplementary Table 1 lists the CEP170-interacting proteins. - figure provided by CiteAb. Source: PMID28422092

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