

For Research Use Only

CEP89, CCDC123 Polyclonal antibody



Catalog Number: 24002-1-AP

3 Publications

Basic Information

Catalog Number: 24002-1-AP	GenBank Accession Number: BC136328	Purification Method: Antigen affinity purification
Size: 220 µg/ml	GeneID (NCBI): 84902	Recommended Dilutions: WB 1:200-1:1000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q965T8	
Isotype: IgG	Full Name: coiled-coil domain containing 123	
Immunogen Catalog Number: AG21206	Calculated MW: 783 aa, 90 kDa	
	Observed MW: 85-100 kDa, 40 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, Neuro-2a cells IF : U-251 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Background Information

CCDC123 (as known as CEP123), also named as CEP89, is a new player in the process of primary ciliogenesis and it also plays a role in mitochondrial metabolism where it may modulate complex IV activity. It has been shown that CEP123 is localized to the distal appendages of the mother centriole and the localization of CEP123 is cell cycle-dependent with its levels decreasing during mitosis. CEP123 depletion can cause defects in ciliary vesicle formation and prevent the formation of a ciliary vesicle at the distal end of the mother centriole. It is possible that CEP123 is involved in regulating the recruitment of membranes to the centrosome through its interaction with Cep290 (PMID:23575228, 23789104, 23348840). 24002-1-AP antibody recognizes all of CEP123 isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Pierrick Le Borgne	36070319	PLoS Biol	IF
Min Liu	34480124	Cell Res	WB, IF
Tomoharu Kanie	28625565	Dev Cell	IF

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

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

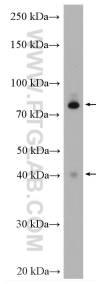
T: 4006900926

E: Proteintech-CN@ptglab.com

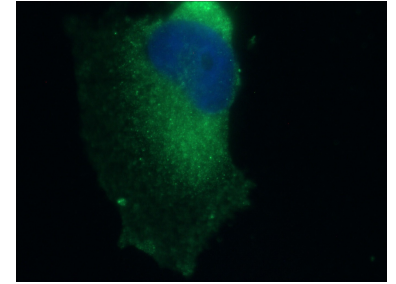
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Selected Validation Data



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 24002-1-AP (CEP89 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using 24002-1-AP (CEP89 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 24002-1-AP (CEP89 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.