

For Research Use Only

CEP89, CCDC123 Polyclonal antibody

Catalog Number: 30165-1-AP



Basic Information

Catalog Number: 30165-1-AP	GenBank Accession Number: BC136328	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 84902	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q965T8	
Isotype: IgG	Full Name: coiled-coil domain containing 123	
Immunogen Catalog Number: AG32789	Calculated MW: 783 aa, 90 kDa	
	Observed MW: 85-100 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, IF/ICC : hTERT-RPE1 cells,

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.

Storage

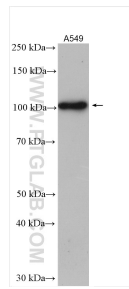
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

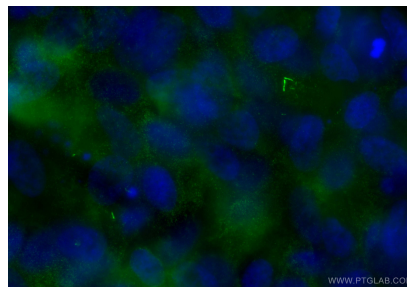
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 30165-1-AP (CCDC123 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CCDC123 antibody (30165-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).