

For Research Use Only

# CEP89, CCDC123 Polyclonal antibody

Catalog Number:30165-1-AP



## Basic Information

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

## Applications

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

## 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

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

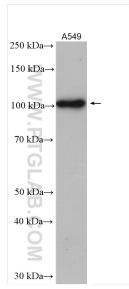
T: 4006900926

E: Proteintech-CN@ptglab.com

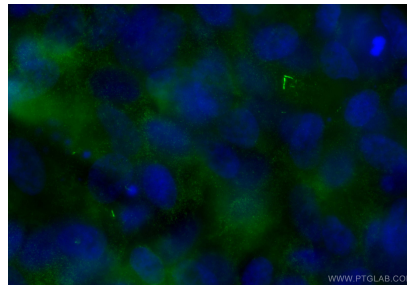
W: ptgcn.com

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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).