

For Research Use Only

# Centrin 1 Monoclonal antibody, PBS Only



Catalog Number: 68433-1-PBS

## Basic Information

<b>Catalog Number:</b> 68433-1-PBS	<b>GenBank Accession Number:</b> BC029515	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1068	<b>CloneNo.:</b> 1G8D10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12798	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> centrin, EF-hand protein, 1	
<b>Immunogen Catalog Number:</b> AG3529	<b>Calculated MW:</b> 172 aa, 20 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

**Tested Applications:**  
IF, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

EF-hand type Ca<sup>2+</sup>-binding proteins consists of several family members, including Centrin-1, Centrin-2 and Centrin-3. The Centrin proteins are ubiquitously expressed cytoskeletal components that show increased expression during cell differentiation. Centrin-1 plays important roles in the determination of centrosome position and segregation, and in the process of microtubule severing. Centrin-1 is localized to the centrosome of interphase cells, and redistributes to the region of the spindle poles during mitosis, reflecting the dynamic behavior of the centrosome during the cell cycle.

## Storage

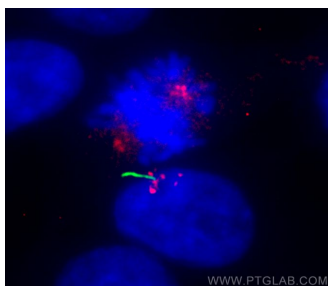
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

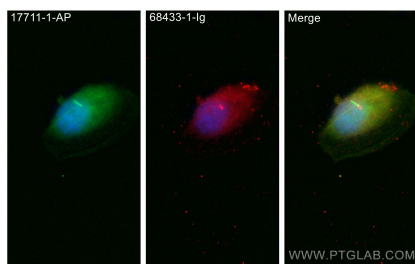
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

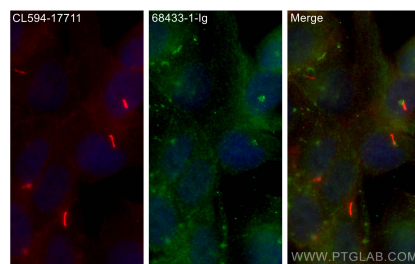
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CETN1 antibody (68433-1-Ig, Clone: 1G8D10 ) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68433-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed ARPE-19 cells using CETN1 antibody (68433-1-Ig, Clone: 1G8D10 ) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68433-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CETN1 antibody (68433-1-Ig, Clone: 1G8D10 ) at dilution of 1:300 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68433-1-PBS in a different storage buffer formulation.