

For Research Use Only

# Centrin 1 Monoclonal antibody

Catalog Number: 68433-1-Ig



## Basic Information

<b>Catalog Number:</b> 68433-1-Ig	<b>GenBank Accession Number:</b> BC029515	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop and 681 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1068	<b>CloneNo.:</b> 1G8D10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q12798	<b>Recommended Dilutions:</b> IF/ICC 1:250-1:1000
<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

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : hTERT-RPE1 cells, ARPE-19 cells
<b>Species Specificity:</b> 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

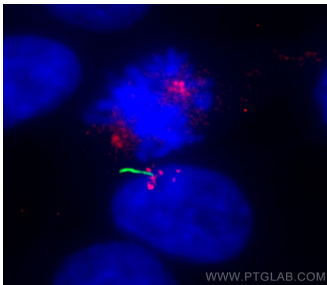
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

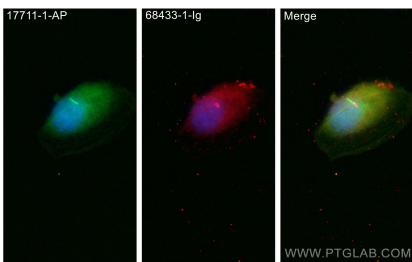
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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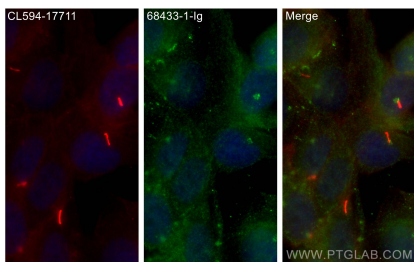
Selected Validation Data



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 Goat Anti-Mouse IgG(H+L).



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 Goat Anti-Mouse IgG(H+L).



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 Goat Anti-Mouse IgG(H+L).