

For Research Use Only

# Centrin 2 Polyclonal antibody

Catalog Number: 15877-1-AP **13 Publications**



## Basic Information

<b>Catalog Number:</b> 15877-1-AP	<b>GenBank Accession Number:</b> BC005334	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1069	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> centrin, EF-hand protein, 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 172 aa, 20 kDa	
<b>Immunogen Catalog Number:</b> AG8638	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB:</b> fetal human brain tissue, rat brain tissue, mouse brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> mouse brain tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Centrin 2 is also named as CALT, or CEN2. It plays a fundamental role in microtubule-organizing center structure and function. Oxidizing radiation induces polymerization of centrin 2 into dimers, tetramers, hexamers, and even higher molecular mass species, as a function of the radiation dose (PMID:17603931). It exists as a 21-kD polypeptide specifically localized to the centrosome of interphase and mitotic cells in both HeLa and BHK cells (PMID:8248209).

## Notable Publications

Author	Pubmed ID	Journal	Application
Marine H Laporte	36125182	EMBO J	IF
Jamuna S Sreeja	36082994	Cell Cycle	IF
Ebtissal M Khouj	31492759	J Cell Sci	IF, WB

## Storage

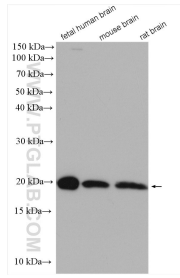
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

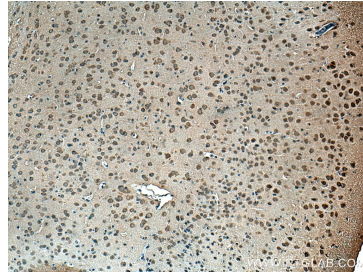
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

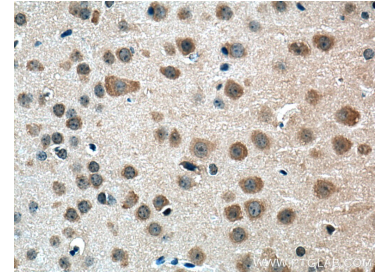
## Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 15877-1-AP (Centrin 2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15877-1-AP (Centrin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15877-1-AP (Centrin 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).