

# Centrin 2 Polyclonal antibody

Catalog Number: 15877-1-AP

13 Publications

## Basic Information

## Catalog Number:

15877-1-AP

## Size:

900 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG8638

## GenBank Accession Number:

BC005334

## GeneID (NCBI):

1069

## UNIPROT ID:

P41208

## Full Name:

centrin, EF-hand protein, 2

## Calculated MW:

172 aa, 20 kDa

## Observed MW:

21 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB** : fetal human brain tissue, rat brain tissue, mouse brain tissue

**IHC** : mouse brain tissue,

## 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

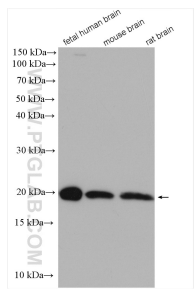
For technical support and original validation data for this product please contact:

T: 4006900926

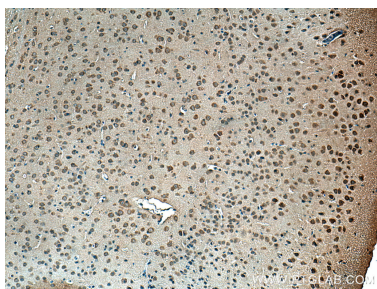
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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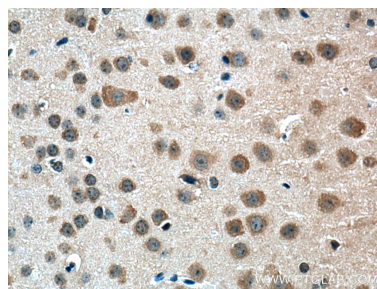
## Selected Validation Data



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).