

For Research Use Only

Centrin 2 Polyclonal antibody

Catalog Number: 15877-1-AP

13 Publications



Basic Information

Catalog Number:

15877-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, 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

*** 20ul sizes contain 0.1% BSA

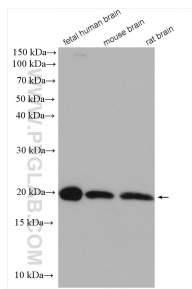
For technical support and original validation data for this product please contact:

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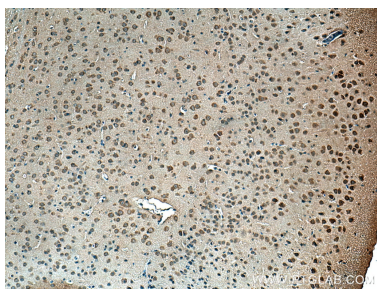
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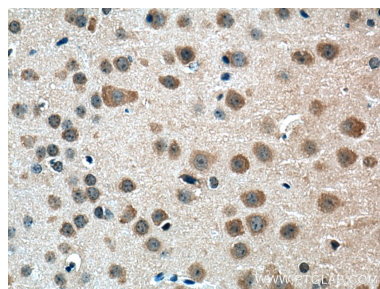
Selected Validation Data



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).