For Research Use Only

Centrin 2 Polyclonal antibody

Catalog Number:15877-1-AP 19 Publications

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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
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB, IF, IP

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

IP : 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 exsits 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	WB,IF

Storage

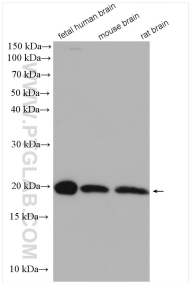
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

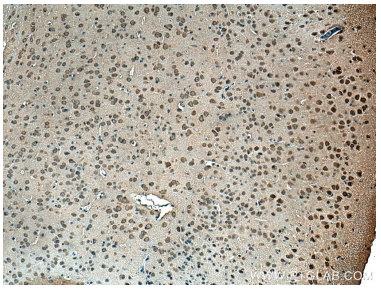
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

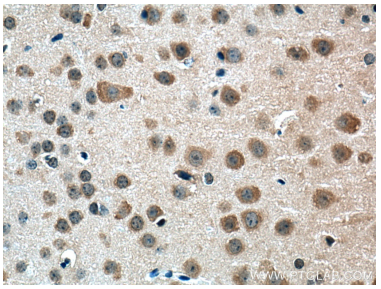
Selected Validation Data



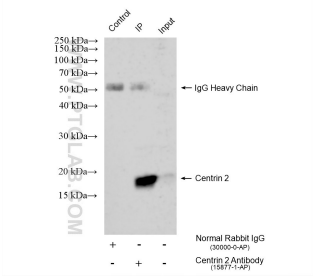
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 15877-1-AP (Centrin 2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



IP result of anti-Centrin 2 (IP:15877-1-AP, 4ug; Detection:15877-1-AP 1:2000) with mouse brain tissue lysate 1400 ug.