

For Research Use Only

CNPase Polyclonal antibody

Catalog Number: 13427-1-AP **18 Publications**



Basic Information

Catalog Number: 13427-1-AP	GenBank Accession Number: BC028040	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 1267	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200 IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: P09543	
Isotype: IgG	Full Name: 2',3'-cyclic nucleotide 3' phosphodiesterase	
Immunogen Catalog Number: AG4227	Calculated MW: 421 aa, 48 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: WB, IHC, IF-P, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, mouse brain tissue, rat brain tissue
Cited Applications: WB, IHC, IF	IHC : mouse brain tissue,
Species Specificity: human, mouse, rat	IF-P: mouse brain tissue,
Cited Species: human, mouse, rat	

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

Background Information

CNP(2',3'-cyclic-nucleotide 3'-phosphodiesterase) belongs to the cyclic nucleotide phosphodiesterase family. It plays an essential role in axonal survival but not in myelin assembly, coupling oligodendroglial functions in axonal support and myelination. This protein has 2 isoforms produced by alternative splicing with molecular mass of 45 and 48 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiuyang Ding	34562559	Toxicol Lett	IHC
Li Zhang	32921051	Acta Physiol (Oxf)	WB
Ting Gao	36460235	Neurosci Lett	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:

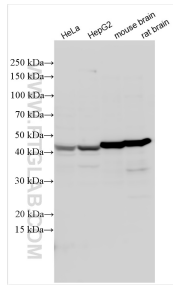
T: 4006900926

E: Proteintech-CN@ptglab.com

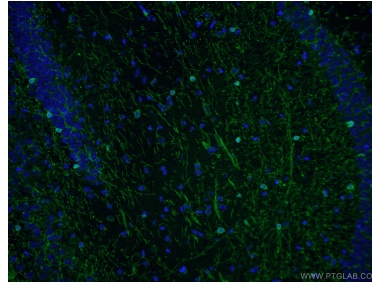
W: ptgcn.com

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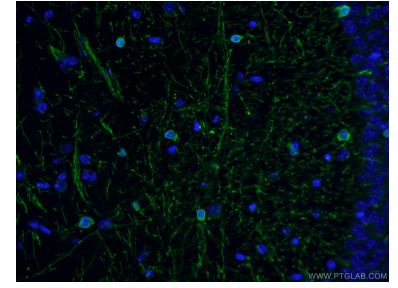
Selected Validation Data



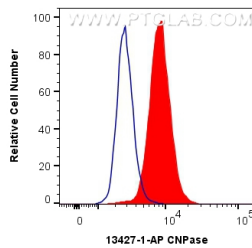
Various lysates were subjected to SDS PAGE followed by western blot with 13427-1-AP (CNPase antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



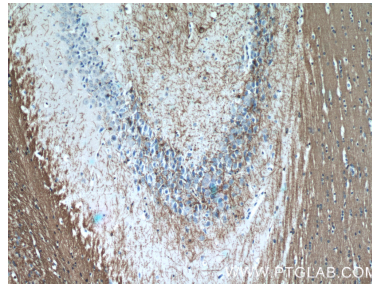
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 13427-1-AP (CNPase antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).



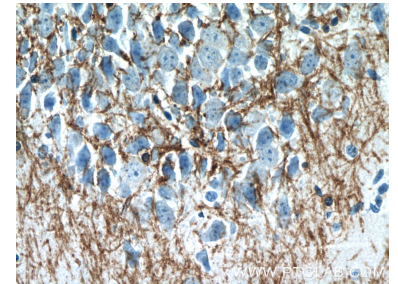
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 13427-1-AP (CNPase antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).



1×10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human CNPase (13427-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13427-1-AP (CNPase antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13427-1-AP (CNPase antibody) at dilution of 1:50 (under 40x lens).