

For Research Use Only

NCALD Polyclonal antibody

Catalog Number: 12925-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

12925-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 507 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3614

GenBank Accession Number:

BC036098

GeneID (NCBI):

83988

UNIPROT ID:

P61601

Full Name:

neurocalcin delta

Calculated MW:

193 aa, 22 kDa

Observed MW:

18-22 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, IHC, 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 : mouse brain tissue, A549 cells, mouse cerebellum tissue, human brain tissue, human heart tissue, human cerebellum tissue, rat brain tissue

IHC : mouse cerebellum tissue, human brain tissue, mouse brain tissue

Background Information

NCALD belongs to the recoverin family. And it is a member of the EF-hand calcium-binding protein superfamily. NCALD may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. It plays an important role in the regulation of the neuronal signal transduction process. NCALD is a likely candidate for conferring susceptibility to diabetic nephropathy.

Notable Publications

Author	Pubmed ID	Journal	Application
Sarah M Konrad	36444691	Biomark Med	IHC, WB
Xuefei Shi	27027352	Oncotarget	WB, IHC
Shengli Pan	35014676	Int J Oncol	WB, IHC

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

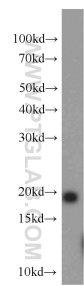
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

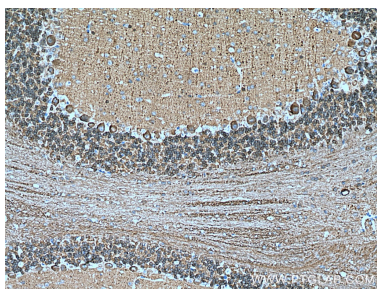
E: proteintech@ptglab.com
W: ptglab.com

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

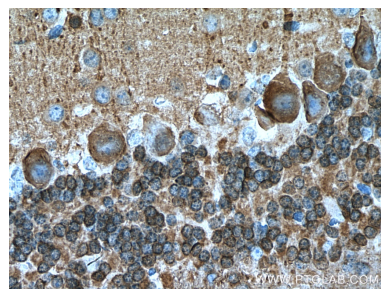
Selected Validation Data



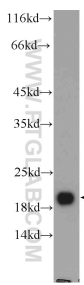
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12925-1-AP (NCALD antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



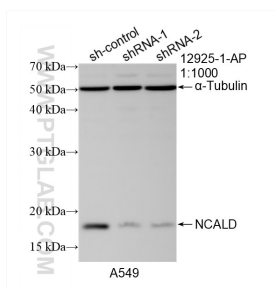
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 12925-1-AP (NCALD antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 12925-1-AP (NCALD antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



rat brain tissue were subjected to SDS PAGE followed by western blot with 12925-1-AP (NCALD Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of NCALD antibody (12925-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NCALD transfected A549 cells.