

For Research Use Only

# NCALD Monoclonal antibody

Catalog Number: 66088-1-Ig



## Basic Information

<b>Catalog Number:</b> 66088-1-Ig	<b>GenBank Accession Number:</b> BC036098	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1053 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 83988	<b>CloneNo.:</b> 6B4E10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P61601	<b>Recommended Dilutions:</b> WB 1:500-1:3200 IHC 1:20-1:200 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> neurocalcin delta	
<b>Immunogen Catalog Number:</b> AG18760	<b>Calculated MW:</b> 193 aa, 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, pig, rat

**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, human brain tissue, pig cerebellum tissue, pig brain tissue, rat brain tissue, mouse brain tissue, rat cerebellum tissue, mouse cerebellum tissue

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

**IF/ICC :** HeLa cells,

## Background Information

NCALD (Neurocalcin-delta) is a member of the EF-hand calcium-binding protein superfamily. It may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. It is a high-affinity Ca<sup>2+</sup> sensor (K<sub>d</sub> of approx. 0.6 uM), which is most abundantly expressed in the Purkinje cells of the cerebellum (PMID:11964161). This antibody is specific to NCALD.

## 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

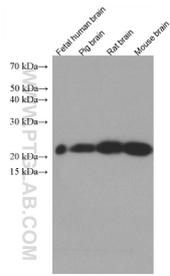
For technical support and original validation data for this product please contact:

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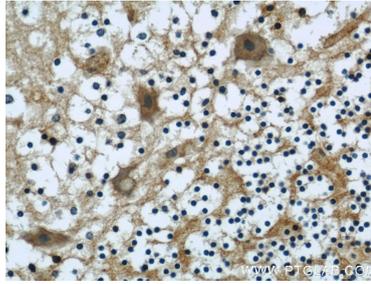
E: proteintech@ptglab.com  
W: ptglab.com

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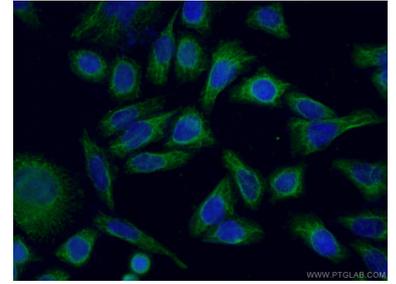
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66088-1-Ig (NCALD antibody) at dilution of 1:1600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cerebellum using 66088-1-Ig (NCALD antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66088-1-Ig (NCALD antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).