

For Research Use Only

NCALD Monoclonal antibody

Catalog Number: 66088-1-Ig



Basic Information

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

Applications

Tested Applications:

IF, IHC, WB, 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, pig brain tissue, pig cerebellum tissue, human brain tissue

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

IF : 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 Ca²⁺ sensor (K_d of approx. 0.6 µM), 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

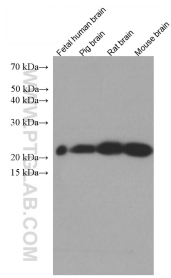
For technical support and original validation data for this product please contact:

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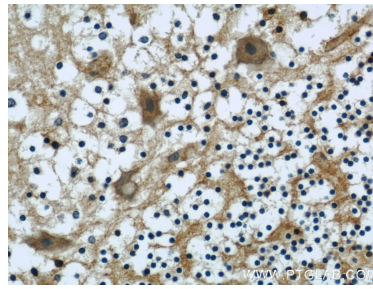
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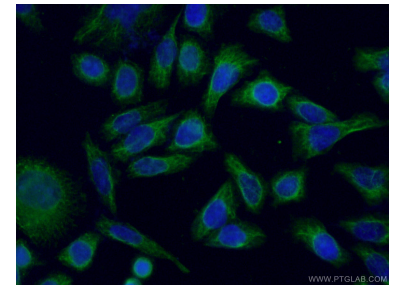
Selected Validation Data



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).