

Product Datasheet

Calbindin D-28K Antibody (5A9) - BSA Free NBP2-50050

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-50050

Calbindin D-28K Antibody (5A9) - BSA Free

| Product Information | |
|--------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 5A9 |
| Preservative | 5mM Sodium Azide |
| Isotype | IgG2a |
| Purity | Immunogen affinity purified |
| Buffer | 50% PBS, 50% glycerol |
| Target Molecular Weight | 26 kDa |

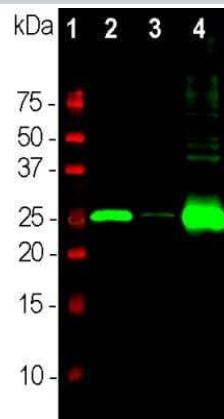
| Product Description | |
|----------------------------|--|
| Description | Novus Biologicals Mouse Calbindin D-28K Antibody (5A9) - BSA Free (NBP2-50050) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 793 |
| Gene Symbol | CALB1 |
| Species | Human, Mouse, Rat, Bovine |
| Immunogen | Full-length recombinant human Calbindin D-28K. [UniProt# P05937] |

| Product Application Details | |
|------------------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating |
| Recommended Dilutions | Western Blot 1:5000, Immunohistochemistry 1:5000, Immunocytochemistry/ Immunofluorescence 1:5000, Immunohistochemistry Free-Floating 1:5000 |

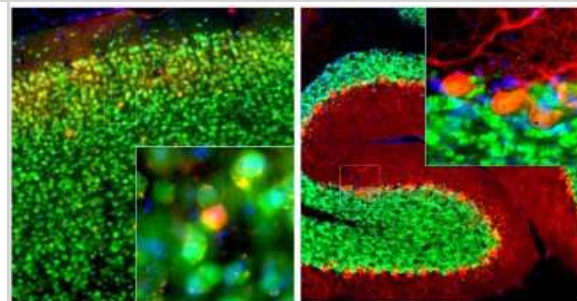


Images

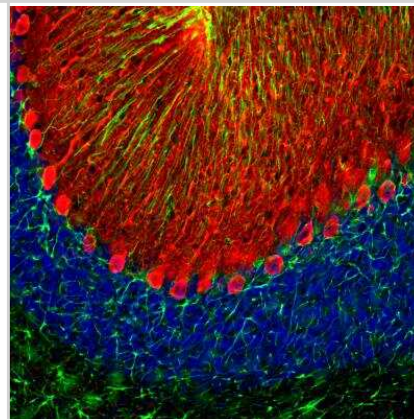
Western Blot: Calbindin D-28K Antibody (5A9) [NBP2-50050] - Analysis of different neuronal tissue lysates using mouse mAb to Calbindin D-28K, dilution 1:5,000: [1] protein standard, [2] rat cerebellum, [3] pig hippocampus, and [4] cow cerebellum. Bands at about 26kDa corresponds to the calbindin protein, heavily expressed in the cerebellum but a very minor component of hippocampus.



Immunocytochemistry/Immunofluorescence: Calbindin D-28K Antibody (5A9) [NBP2-50050] - Adult mouse cortex (Left) and cerebellum (Right) sections were stained with NBP2-50050 in red, and co-stained with rabbit polyclonal anti-RBFOX3/NeuN antibody (NBP1-92716, green). Calbindin is expressed in a subset of interneurons in the cortex (Left) and prominently expressed in the dendrites of Purkinje cells in the cerebellum molecular layer (Right). RBFOX3/NeuN expresses in most neurons; as a result, cells positive for Calbindin appear to be yellow. Insets are high magnification images of the boxed area. Blue is Dapi nucleus staining that labels DNA.



Immunohistochemistry Free-Floating: Calbindin D-28K Antibody (5A9) [NBP2-50050] - Analysis of rat brain cerebellum section stained with mouse mAb to Calbindin D-28K, dilution 1:2,000 (Red), and costained with rabbit GFAP pAb, dilution 1:5,000 (Green). DAPI staining of nuclear DNA (Blue). Following transcathal perfusion with 4% paraformaldehyde, brain was post fixed for 24hrs, cut to 45uM, and free-floating sections were stained with the above antibodies. The Calbindin D-28K antibody prominently labels the dendrites and perikarya of Purkinje cells in the molecular layer of the cerebellum. The GFAP antibody stains the processes of Bergmann glia in the molecular layer and astroglia in the granular and white matter layers of cerebellum.





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Products Related to NBP2-50050

| | |
|-------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-96778 | Mouse IgG2a Isotype Control (M2A) |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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