

Product Datasheet

Calbindin D-28K Antibody (5A9)

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

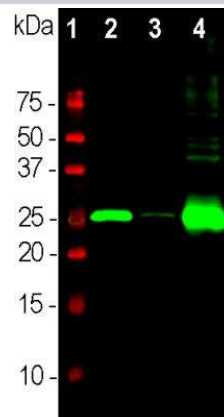
Calbindin D-28K Antibody (5A9)

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	
Host	Mouse
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

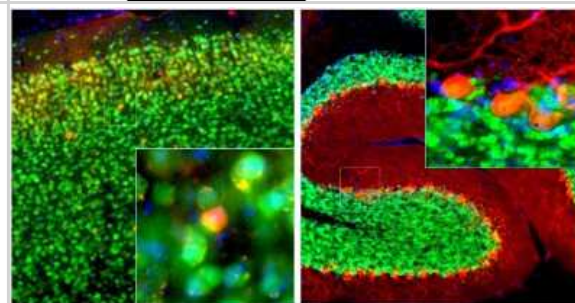


Images

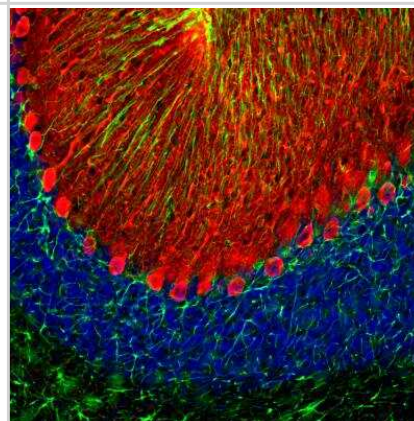
Western Blot: Calbindin D-28K Antibody (5A9) [NBP2-50050] - Analysis of different neuronal tissue lysates using mouse mAb to Calbindin D-28K, dilution 1:5,000: [1] protein standard, [2] rat cerebellum, [3] pig hippocampus, and [4] cow cerebellum. Bands at about 26kDa corresponds to the calbindin protein,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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP1-30222	Recombinant Human Calbindin D-28K Protein

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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