

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.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-50050

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-50050



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

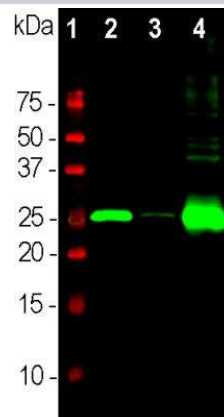
Product Description	
Description	Novus Biologicals Mouse Calbindin D-28K Antibody (5A9) - BSA Free (NBP2-50050) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	793
Gene Symbol	CALB1
Species	Human,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

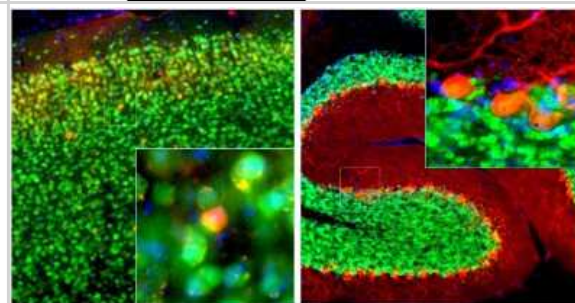


Images

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.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-50050

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

