

Anti-CALB1/Calbindin Recombinant Chicken Chimeric mAb

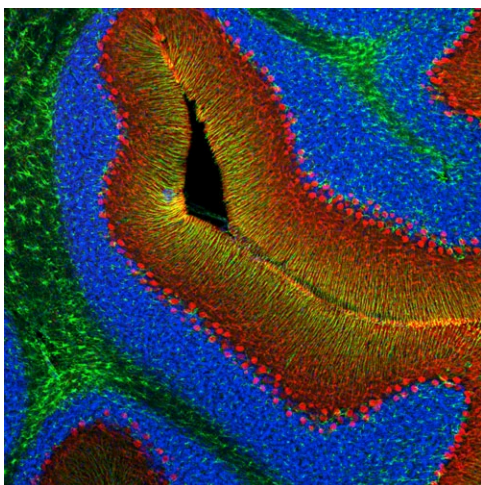


Product Details

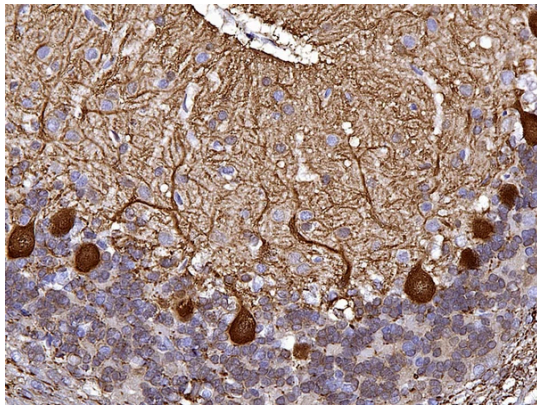
Available Variants	100 µL (SKU:78-448) 20 µL (SKU:78-448-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	L109/57
Gene Name	CALB1 CAB27
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of our NeuroMab clone L109/57 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone L109/57 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	AT, ELISA, ICC, IHC, WB
Dilution Ranges	IHC: 1:250
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1-261 (full-length) of human CALB1 (accession number P05937) produced recombinantly in E. Coli

Specificity	No cross-reactivity reported
Molecular Weight	30 kDa
Quality Control	Each new lot of antibody is quality control tested by Western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
UniProt ID	<u>P05937</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

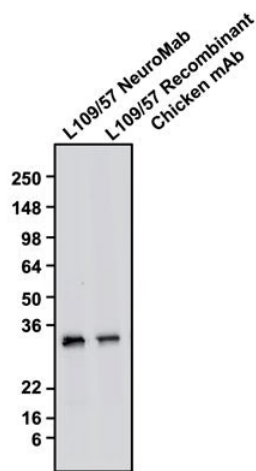
Product Images



Representative image of 4% paraformaldehyde fixed free-floating rat cerebellum sections stained with Aves Labs anti-CALB1 recombinant chicken monoclonal antibody (red, Cat No. 78-448) at 1:1000 dilution and co-stained with anti-GFAP rabbit polyclonal antibody (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-CALB1 specifically stains the Purkinje cells in the cerebellum. Image courtesy of EnCor Biotechnology.



Representative image of 4% paraformaldehyde fixed free-floating rat cerebellum sections stained with Aves Labs anti-CALB1 recombinant chicken monoclonal antibody (Cat No. 78-448) at 1:1000 dilution. Anti-CALB1 specifically stains the Purkinje cells in the cerebellum. Magnification 400X. Image courtesy of EnCor Biotechnology.



Western blotting of rat brain homogenate with Antibodies Incorporated anti-CALB1 (calbindin) mouse mAb (Cat. 75-448) and Aves Labs anti-CALB1 recombinant chicken mAb (Cat. 78-448) antibodies (10 µg/ml). The mouse Mab and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. Recombinant chicken anti-CALB1 mAb recognizes endogenous CALB1 with similar sensitivity as the anti-CALB1 NeuroMab in the rat brain homogenate at ~30 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-calb1-calbindin-recombinant-antibody-l109-57-78-448



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