

# Anti-Calretinin Recombinant Chicken Chimeric mAb

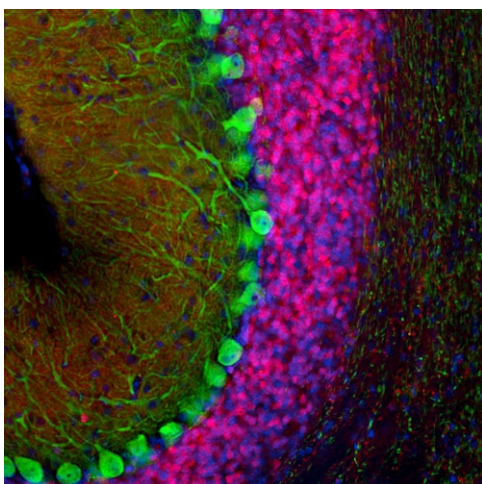


## Product Details

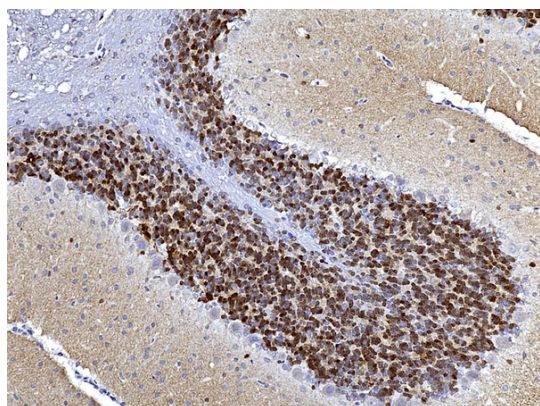
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|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 µL (SKU:78-488)<br>20 µL (SKU:78-488-020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>            | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clone</b>              | L122/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>          | CALB2 CAB29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Host Species</b>       | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>      | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Format</b>             | Purified by affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Physical State</b>     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer</b>             | 1X PBS, 0.05% Sodium Azide pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Production Notes</b>   | This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of our NeuroMab clone L122/6 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone L122/6 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. |
| <b>Applications</b>       | ELISA, ICC, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen</b>          | Fusion protein amino acids 1-178 (N-terminus) of human CALB2 (accession number) produced recombinantly in E. Coli                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | No cross-reactivity reported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Weight</b>   | 25-35 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                          |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>   | 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.                                                         |
| <b>Storage</b>           | 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. |
| <b>UniProt ID</b>        | <u>P22676</u>                                                                                                                                                                                                   |
| <b>Country of Origin</b> | United States                                                                                                                                                                                                   |
| <b>Shipping</b>          | Shipped on ice packs                                                                                                                                                                                            |
| <b>Expiration</b>        | 24 months from date of receipt                                                                                                                                                                                  |
| <b>Usage Statement</b>   | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                            |

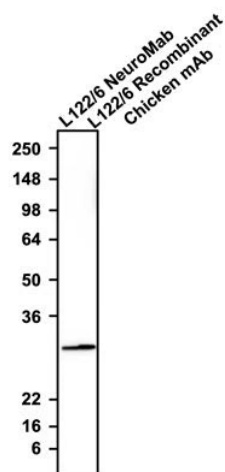
## Product Images



Representative image of 4% paraformaldehyde fixed free-floating mouse cerebellum sections stained with Aves Labs anti-Calretinin recombinant chicken monoclonal antibody (red, Cat No. 78-488) at 1:1000 dilution and co-stained with anti-Calbindin mouse monoclonal antibody (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-Calretinin specifically stains the interneurons in the granule cell layer of the cerebellum. Image courtesy of EnCor Biotechnology.



Representative image of 4% paraformaldehyde fixed free-floating rat cerebellum sections stained with Aves Labs anti-Calretinin recombinant chicken monoclonal antibody (Cat No. 78-488) at 1:1000 dilution. Anti-Calretinin specifically stains the interneurons in the granule cell layer of the cerebellum. Magnification 200X. Image courtesy of EnCor Biotechnology.



Western blotting of rat whole brain homogenate with Antibodies Incorporated anti-Calretinin mouse mAb (Cat. 75-488) and Aves Labs anti-Calretinin recombinant chicken mAb (Cat. 78-488) antibodies (10 µg/ml). The mouse mAb and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. Aves Labs recombinant chicken anti-Calretinin mAb recognizes endogenous Calretinin with similar sensitivity as the anti-Calretinin NeuroMab in the rat whole brain homogenate at ~30 kDa.

Product Page URL: [www.antibodiesinc.com/products/anti-calretinin-recombinant-antibody-l122-6-78-488](http://www.antibodiesinc.com/products/anti-calretinin-recombinant-antibody-l122-6-78-488)



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