

Anti-CSPG4/NG2 Recombinant Chicken Chimeric mAb

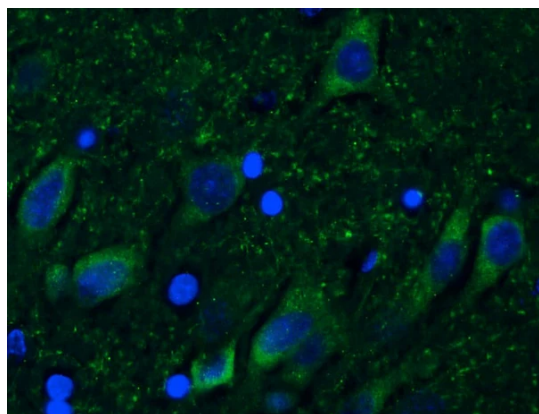


Product Details

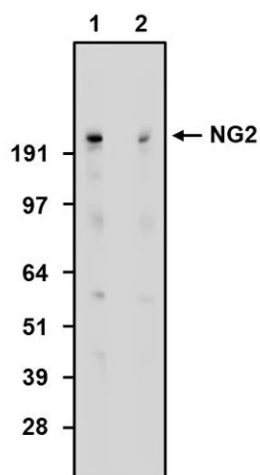
Available Variants	100 µL (SKU:78-523) 20 µL (SKU:78-523-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	6203-34
Gene Name	CSPG4/NG2
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone 6203-34 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone 6203-34 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	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:100-1:1000 WB Brain: 1:100-1:1000 IHC: 1:100-1:250 ICC: 1:100-1:250
Species Reactivity	Human, Mouse, Rat

Immunogen	Fusion protein amino acids S1583-S2224 of human CSPG4/NG2 (accession number Q6UVK1) produced in CHO cells
Specificity	No cross-reactivity reported
Molecular Weight	250 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>Q6UVK1</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.

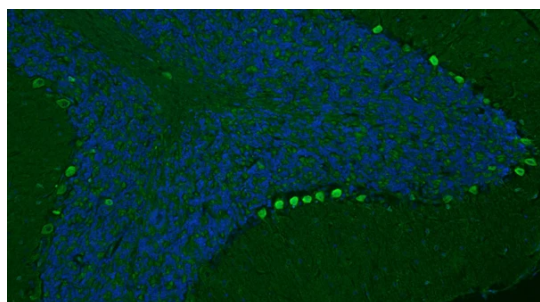
Product Images



Immunohistochemistry for detection of CSPG4/NG2 in adult rat hippocampus using Aves Labs' anti-CSPG4/NG2 recombinant chicken monoclonal antibody [6203-34] (Cat No. 78-523). Tissue was fixed with 4% paraformaldehyde and paraffin embedded. Heat induced antigen retrieval was performed using citrate buffer (Cat No. AR-6544) and then blocked with Immuno Protein Blocking Solution with Goat Serum (Cat No. AR-6591). The anti-CSPG4/NG2 antibody (Cat No. 78-523) was incubated with the sample at a dilution of 1:250 at 4C overnight. After washing with PBST, the sections were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). DAPI nuclear stain (blue) shows cell nuclei.



Western blot detection of CSPG4/NG2 using Aves Labs' anti-CSPG4/NG2 recombinant chicken monoclonal antibody [6203-34] (Cat No. 78-523). 4-12% Bis-Tris Gel was loaded with rat whole brain homogenate. Proteins were transferred to PVDF membrane and blocked with 5% non-fat milk powder. Primary antibody was incubated with sample at a concentration of 10 ug/ml (lane 1) and 2 ug/ml (lane 2) and then detected via chemiluminescence (7 min) using a Goat Anti-Chicken H+L, HRP conjugated secondary antibody. Anti-CSPG4/NG2 antibody recognizes endogenous NG2 in the rat whole brain homogenate at the expected molecular weight of ~250 kDa.



Immunohistochemistry for detection of CSPG4/NG2 in adult rat cerebellum using Aves Labs' anti-CSPG4/NG2 recombinant chicken monoclonal antibody [6203-34] (Cat No. 78-523). Tissue was fixed with 4% paraformaldehyde and paraffin embedded. Heat induced antigen retrieval was performed using citrate buffer (Cat No. AR-6544) and then blocked with Immuno Protein Blocking Solution with Goat Serum (Cat No. AR-6591). The anti-CSPG4/NG2 antibody (Cat No. 78-523) was incubated with the sample at a dilution of 1:100 at 4C overnight. After washing with PBST, the sections were stained using goat anti-chicken IgY CF488 secondary antibody (Cat No. 80-1001-488) (green). DAPI nuclear stain (blue) shows cell nuclei.

Product Page URL: www.antibodiesinc.com/products/anti-cspg4-ng2-recombinant-antibody-6203-34-78-523



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