

Anti-Metabotropic Glutamate Receptor Type 1 (mGluR1) Antibody

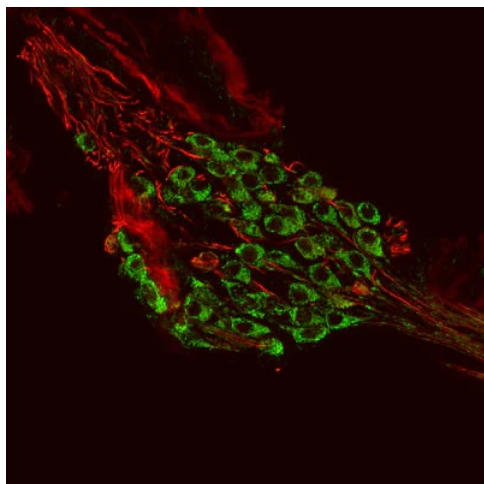


Product Details

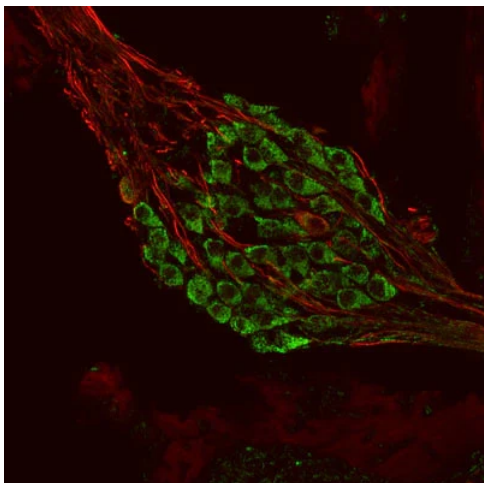
Available Variants	1000 µL (SKU:ER1)
Isotype	IgY
Gene Name	GRM1 GPRC1A MGLUR1
Host Species	Chicken
Concentration	300 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with three synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the metabotropic glutamate receptor type 1 gene product, but are shared between the human (NP_000829.2, NCBI) and mouse (NP_058672.1, NCBI) sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 300 µg/mL. Finally, equal volumes of these affinity-purified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC
Dilution Ranges	IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	130 kDa
Quality Control	This anti-peptide antibody mixture was analyzed by immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313541
UniProt ID	Q13255
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

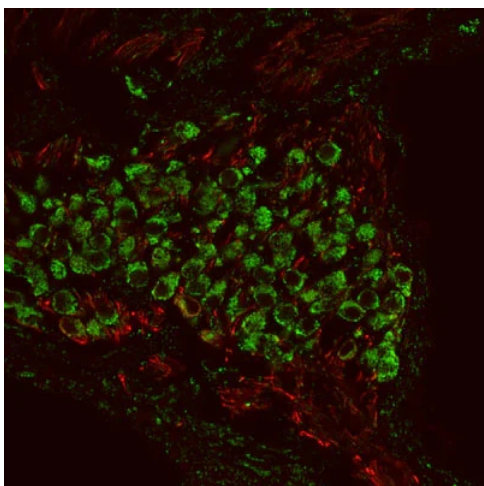
Product Images



Metabotropic glutamate receptor type 1 (1:1000 dilution, green) immunoreactivity and neurofilament-M (NF-M, rabbit antibody, 1:500 dilution) immunoreactivity in a tissue section through an e18 mouse cochlear ganglion.



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Product Page URL: www.antibodiesinc.com/products/anti-metabotropic-glutamate-receptor-type-1-mglur1-antibody-er1



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