

Anti-Green Fluorescent Protein (GFP) Antibody

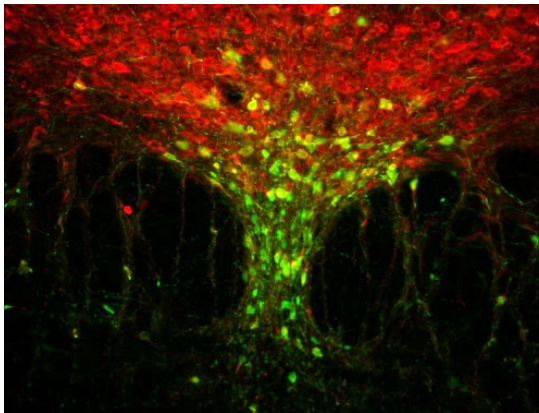


Product Details

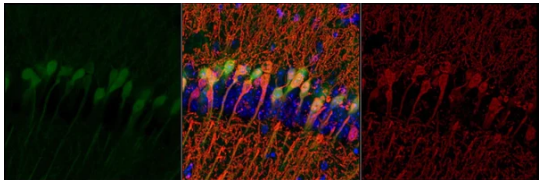
Available Variants	100 µL (SKU:GFP-1010) 400 µL (SKU:GFP-1020)
Isotype	IgY
Host Species	Chicken
Concentration	10 mg/mL
Format	IgY Fraction
Physical State	Liquid
Buffer	Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with sodium azide (0.02%, w/v) as an anti-microbial agent.
Production Notes	Chickens were immunized with purified recombinant green fluorescent protein (GFP) emulsified in Freund's adjuvant. After multiple injections, eggs were collected from the hens, and IgY fractions were prepared from the yolks and then affinity-purified antibodies were prepared using GFP conjugated to an agarose matrix. The final product is a filter-sterilized mixture of both affinity-purified antibodies (30 µg/mL) and purified IgY (10 mg/mL).
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:2000-1:5000 ICC: 1:2000-1:5000
Immunogen	Recombinant GFP expressed in Escherichia coli
Molecular Weight	27 kDa

Quality Control	Antibodies were analyzed by western blot analysis (1:5000 dilution) and immunohistochemistry (1:500 dilution) using transgenic mice expressing the GFP gene product. Western blots were performed using BlokHen® (Aves Labs) as the blocking reagent, and HRP-labeled goat anti-chicken antibodies (Aves Labs, Cat. #H-1004) as the detection reagent. Immunohistochemistry used tetramethyl rhodamine-labeled anti-chicken IgY.
Storage	Store at -20°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile.
Antibody Registry ID	AB_2307313
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.

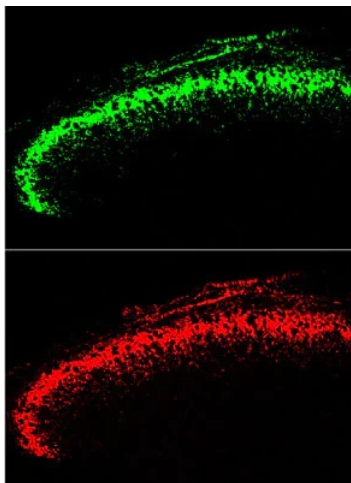
Product Images



Staining of a tissue section through the midbrain region of an adult mouse for GFP (green) and Tryptophan Hydroxylase-positive neurons (red).



Pyramidal neurons in the hippocampal formation of a neonatal mouse brain. Tissue was paraformaldehyde-fixed (4%) and paraffin-embedded. GFP staining is in green in left panel.



Comparison between GFP immunoreactivity in Rexed Lamina 2 neurons of a transgenic mouse using Aves Labs' anti-GFP (green) and rabbit anti-GFP (red). The transgenic mouse was generated by placing the GFP cDNA after a POMC gene promoter in the transfected plasmid. Mark Zilka, Univ. North Carolina.

Product Page URL: www.antibodiesinc.com/products/anti-green-fluorescent-protein-antibody-gfp



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