

Anti-Growth-Associated Protein-43 (GAP-43) Antibody

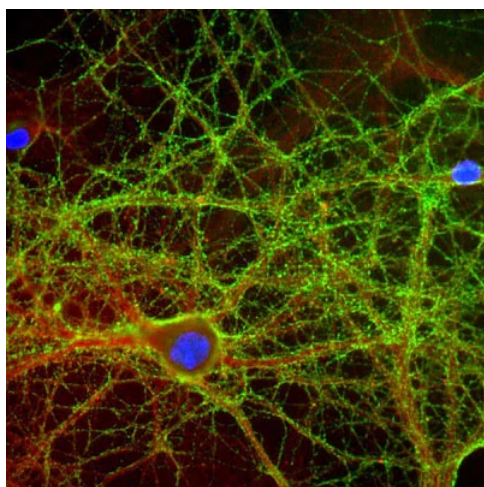


Product Details

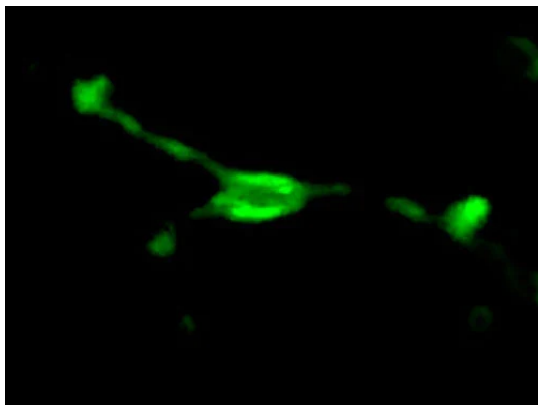
Available Variants	200 µL (SKU:GAP43)
Isotype	IgY
Gene Name	GAP43
Host Species	Chicken
Concentration	2 mg/mL
Format	IgY Fraction
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS" pH 7.2) with bovine serum albumin (BSA, 0.5%) added to prevent absorption to the plastic and sodium azide (0.02%, w/v) added as a preservative
Production Notes	Chickens were immunized with a synthetic peptide corresponding to the C-terminal region of mouse GAP-43 coupled to keyhole limpet hemocyanin. After repeated injections, immune eggs were collected, the IgY fractions were purified from the yolks, and the IgY concentration adjusted to 20 mg/mL. This preparation was then diluted 1:10 with PBS containing bovine serum albumin as a carrier. Finally, the antibody preparation was filter-sterilized.
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:2000 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide
Molecular Weight	43 kDa

Quality Control	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:1000) using fluorescein-labeled goat anti-chicken IgY (1:1000 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_2313546
UniProt ID	<u>P17677</u>
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.

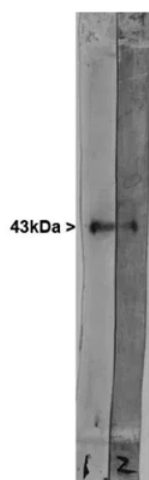
Product Images



Mixed neuron-glia cultures stained with CPCA-GAP43 (green) and rabbit antibody to alpha-II spectrin (RPCA-all-Spec, red), and DNA (blue). The GAP43 antibody stains numerous axonal and dendritic profiles in these cultures, clearly revealing the submembraneous cytoskeleton and vesicles. Photo by Dr. Gerry Shaw, Univ. Florida.



GAP-43 immunoreactivity in a neuroblast within a neurosphere culture. Chicken anti-GAP-43 antibody (1:500 dilution), Fluorescein-goat anti-chicken IgY secondary antibody (Aves Labs, 1:500). Photomicrograph by Hoda Ilias, Aves Labs.



Western blots of extract of cow hippocampus stained with CPCA-GAP43. A prominent band running at ~43 kDa represents GAP43. Photo courtesy of Dr. Gerry Shaw, Univ. Florida.

Product Page URL: www.antibodiesinc.com/products/anti-growth-associated-protein-43-antibody-gap43



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