



...Specializing in custom-made chicken antibodies against "difficult" antigens.

PRODUCT SPECIFICATIONS

| | |
|--------------------------|---|
| Product Description: | Growth-Associated Protein (GAP)-43 Chicken polyclonal antibody |
| Catalog Number: | GAP43 |
| Antibody Concentrations: | 2.0 mg IgY/ml (based on Bradford assay readings using bovine serum albumin as a standard). |
| Volume: | Regular vials contain 200 ul of this antibody mixture. |
| Buffer: | Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with bovine serum albumin ("BSA", 0.5% w/v) added as a stabilizer and sodium azide (0.02% w/v) added as a preservative. |
| Production: | 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. |
| 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 Conditions: | Store at 4°C in the dark. Under these conditions, the antibody should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze this antibody unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost. |
| Recommended Dilutions: | 1:1000-1:2000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. 1:2000-1:5000 for western blots. Please note that these dilutions are meant to serve as starting points, and that optimal dilutions may vary. |

NOTE: This antibody is meant to be used as research laboratory reagents and is not for use as a diagnostic or therapeutic reagent in humans.

12571 SW Main Street Tigard, Oregon 97223 USA
phone (503) 598-8766 *fax* (503) 598-8746 *web* www.aveslab.com