

rabbit anti-goat IgG-AP: sc-2771

BACKGROUND

Santa Cruz Biotechnology's secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications including Western Blot, immunostaining, flow cytometry and ELISA. Secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG₁, IgG_{2a}, IgG_{2b}, IgG₃ and IgG₄. Santa Cruz Biotechnology offers a wide selection of secondary antibodies, which are used in conjunction with our Cruz Marker™ molecular weight standards. We also provide specialized secondaries, such as pre-adsorbed secondary antibodies, which are pre-adsorbed with human IgG and mouse IgG for immunoglobulin-rich tissues and cells, F(ab')₂ fragment secondary antibodies that reduce non-specific secondary antibody binding to Fc receptors on the cell surface, and isotype-specific secondary antibodies against IgM, IgA and IgY.

SOURCE

rabbit anti-goat IgG-AP is an affinity purified secondary antibody raised in rabbit against goat IgG and conjugated to AP (alkaline phosphatase).

PRODUCT

Each vial contains 200 µg IgG in 0.5 ml of PBS containing 50% glycerol, 1 mM zinc chloride, 0.02% sodium azide and 1 mM magnesium chloride.

APPLICATIONS

rabbit anti-goat IgG-AP is recommended for detection of goat IgG by Western Blotting (starting dilution: 1:5000, dilution range 1:5000-1:10000).

RECOMMENDED SUPPORT PRODUCTS

- Western Blotting Luminol Reagent, for 2,000 cm² membrane area: sc-2048
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- Running Buffer, 10X, 1 L, TRIS-Glycine WB running buffer, pH 8.3: sc-24949
- Towbin, with SDS, 10X, 1 L, WB transfer buffer pH 8.3: sc-24954
- Bovine Serum Albumin (BSA), 100 g, blocking/incubation agent: sc-2323
- TBS Blotting A, lyophilized powder in single-use bottle: sc-2333
- UltraCruz™ PVDF Transfer Membrane, 0.45 µm, 30 cm x 3 m roll: sc-3723
- UltraCruz™ Nitrocellulose Pure Transfer Membrane, 0.22 µm, 30 cm x 3 m roll: sc-3718
- UltraCruz™ Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz™ Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- UltraCruz™ Electrophoresis Cell: sc-201625: runs up to 10 or 15 sample by SDS – PAGE protein electrophoresis
- UltraCruz™ Autoradiography Film, Blue, 8 x 1, 100 sheets: sc-201697
- UltraCruz™ Gel Incubation Trays, 100 per pack: sc-201755 (blue), sc-201756 (green), sc-201757 (pink), sc-201758 (yellow), sc-201759 (orange)

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SELECT PRODUCT CITATIONS

1. Kim, J.Y., et al. 2006. The HSS3/4 enhancer of Criz1-IgJ locus is another target of EBF in the pre-B cell stage of B cell development. *Immunol. Lett.* 107: 63-70.
2. Majumder, S., et al. 2006. The role of a novel copper complex in overcoming doxorubicin resistance in Ehrlich ascites carcinoma cells *in vivo*. *Chem. Biol. Interact.* 159: 90-103.
3. Yoshino, T. and Matsunaga, T. 2006. Efficient and stable display of functional proteins on bacterial magnetic particles using mms13 as a novel anchor molecule. *Appl. Environ. Microbiol.* 72: 465-471.
4. Connolly, M.H. and Hall, B.K. 2008. Embryonic heat shock reveals latent hsp90 translation in zebrafish (*Danio rerio*). *Int. J. Dev. Biol.* 52: 71-79.
5. Krajka-Kuzniak, V., et al. 2009. Effect of Chokeberry (*Aronia melanocarpa*) juice on the metabolic activation and detoxication of carcinogenic N-nitrosodiethylamine in rat liver. *J. Agric. Food Chem.* 57: 5071-5077.
6. Dutta, A., et al. 2010. Culture of K562 human myeloid leukemia cells in presence of fibronectin expresses and secretes MMP-9 in serum-free culture medium. *Int. J. Clin. Exp. Pathol.* 3: 288-302.
7. Chan, S.W., et al. 2010. Recombinant human collagen and biomimetic variants using a *de novo* gene optimized for modular assembly. *Biomacromolecules* 11: 1460-1469.
8. Machado, N.G., et al. 2010. Sub-chronic administration of doxorubicin to Wistar rats results in oxidative stress and unaltered apoptotic signaling in the lung. *Chem. Biol. Interact.* 188: 478-486.
9. Alves, M.G., et al. 2011. Sodium hydrosulfide improves the protective potential of the cardioplegic histidine buffer solution. *Eur. J. Pharmacol.* 654: 60-67.
10. Szaefer, H., et al. 2011. Chokeberry (*Aronia melanocarpa*) juice modulates 7,12-dimethylbenz[a]anthracene induced hepatic but not mammary gland phase I and II enzymes in female rats. *Environ. Toxicol. Pharmacol.* 31: 339-346.
11. Szaefer, H., et al. 2011. Modulation of carcinogen metabolizing cytochromes P450 in rat liver and kidney by cabbage and sauerkraut juices: comparison with the effects of indole-3-carbinol and phenethyl isothiocyanate. *Phytother. Res.* 26: 1148-1155.
12. Paluszczak, J., et al. 2011. Frequent gene hypermethylation in laryngeal cancer cell lines and the resistance to demethylation induction by plant polyphenols. *Toxicol. In Vitro* 25: 213-221.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.