

goat anti-rabbit IgG-AP: sc-2007

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

goat anti-rabbit IgG-AP is an affinity purified secondary antibody raised in goat against rabbit 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

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

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™ 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. Brachat, A., et al. 2000. Comparative microarray analysis of gene expression during apoptosis-induction by growth factor deprivation or protein kinase C inhibition. *Oncogene* 19: 5073-5082.
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3. Pardo-Saganta, A., et al. 2009. The epidermal growth factor receptor ligand amphiregulin is a negative regulator of hepatic acute-phase gene expression. *J. Hepatol.* 51: 1010-1020.
4. Zweier-Renn, L.A., et al. 2010. Hematopoietic immortalizing function of the NKL-subclass homeobox gene TLX1. *Genes Chromosomes Cancer* 49: 119-131.
5. 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.
6. Sakurai, K., et al. 2010. A role for human Dicer in pre-RISC loading of siRNAs. *Nucleic Acids Res.* 39: 1510-1525.
7. 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.
8. Hallersund, P., et al. 2011. The expression of renin-angiotensin system components in the human gastric mucosa. *J. Renin Angiotensin Aldosterone Syst.* 12: 54-64.
9. Serafim, T.L., et al. 2011. Lipophilic caffeic and ferulic acid derivatives presenting cytotoxicity against human breast cancer cells. *Chem. Res. Toxicol.* 24: 763-774.
10. Zakula, Z., et al. 2011. Impairment of cardiac insulin signaling in fructose-fed ovariectomized female Wistar rats. *Eur. J. Nutr.* 50: 543-551.
11. 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.
12. 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.
13. 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.
14. Vaz, C.V., et al. 2012. Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. *Int. J. Biochem Cell Biol.* 44: 2077-2084.

STORAGE

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