

# rabbit anti-goat IgG-HRP: sc-2922

## 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 IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. 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')<sub>2</sub> 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-HRP is a pre-adsorbed, affinity purified secondary antibody raised in rabbit against goat IgG and conjugated to HRP (horseradish peroxidase).

## PRODUCT

Each vial contains 200 µg mouse and human adsorbed IgG in 0.5 ml of 1X PBS containing 40% glycerol.

## APPLICATIONS

rabbit anti-goat IgG-HRP is recommended for detection of goat IgG by Western Blotting of immunoglobulin-rich tissues and cells (starting dilution: 1:5000, dilution range 1:5000-1:10000).

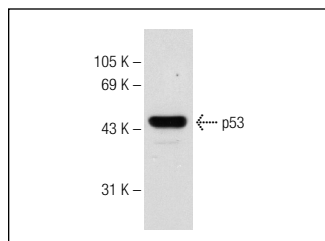
## RECOMMENDED SUPPORT PRODUCTS

- Western Blotting Luminol Reagent, for 2,000 cm<sup>2</sup> 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 Blotto 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)

## STORAGE

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

## DATA



rabbit anti-goat IgG-HRP: sc-2922. Western blot analysis of p53 expression in Lac-Z whole cell lysate. Antibody tested: p53 (FL-393)-G: sc-6243-G.

## SELECT PRODUCT CITATIONS

1. Egger, T., et al. 2003. Vitamin E ( $\alpha$ -tocopherol) attenuates cyclo-oxygenase 2 transcription and synthesis in immortalized murine BV-2 microglia. *Biochem. J.* 370: 459-467.
2. Witek, R.P., et al. 2009. Liver cell-derived microparticles activate hedgehog signaling and alter gene expression in hepatic endothelial cells. *Gastroenterology* 136: 320-330.e2.
3. Salinas-Carmona, M.C., et al. 2009. Spontaneous arthritis in MRL/lpr mice is aggravated by *Staphylococcus aureus* and ameliorated by *Nippostrongylus brasiliensis* infections. *Autoimmunity* 42: 25-32.
4. Godmann, M., et al. 2009. The pluripotency transcription factor Krüppel-like factor 4 is strongly expressed in intratubular germ cell neoplasia unclassified and seminoma. *Mol. Hum. Reprod.* 15: 479-488.
5. Kastler, S., et al. 2010. POU5F1P1, a putative cancer susceptibility gene, is overexpressed in prostatic carcinoma. *Prostate* 70: 666-674.
6. Relle, M., et al. 2010. Comparative aspects of murine proteinase 3. *Rheumatol. Int.* 31: 1105-1111.
7. Godmann, M., et al. 2010. Krüppel-like factor 4 is widely expressed in the mouse male and female reproductive tract and responds as an immediate early gene to activation of the protein kinase A in TM4 Sertoli cells. *Reproduction* 139: 771-782.
8. Lamon, B.D., et al. 2010. Inducible nitric oxide synthase gene deletion exaggerates MAPK-mediated cyclooxygenase-2 induction by inflammatory stimuli. *Am. J. Physiol. Heart Circ. Physiol.* 299: H613-H623.
9. Klein, B.Y., et al. 2011. PI3K/Akt responses to oxytocin stimulation in Caco2BB gut cells. *J. Cell. Biochem.* 112: 3216-3226.

## RESEARCH USE

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