

# goat anti-rabbit IgG-HRP: sc-2054

## 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

goat anti-rabbit IgG-HRP is a pre-adsorbed, affinity purified secondary antibody raised in goat against rabbit 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

goat anti-rabbit IgG-HRP is recommended for detection of rabbit 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™ 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)

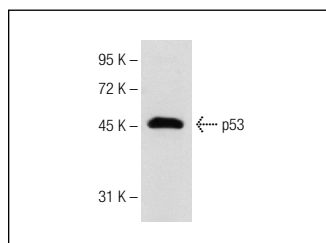
## STORAGE

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

## RESEARCH USE

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

## DATA



goat anti-rabbit IgG-HRP: sc-2054. Western blot analysis of p53 expression in Lac-Z whole cell lysate. Antibody tested: p53 (FL-393): sc-6243.

## SELECT PRODUCT CITATIONS

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4. Nakaoka, F., et al. 2010. Anti-diabetic effects of globin digest and its active ingredient Leu-Ser-Glu-Leu in ICR mice, streptozotocin-induced diabetic mice and KK-Ay mice. *Life Sci.* 86: 424-434.
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6. Khan, K., et al. 2010. Enteropathogenic *Escherichia coli* infection induces IL-8 production via activation of mitogen-activated protein kinases and the transcription factors NFκB and AP-1 in INT-407 cells. *Mol. Cell. Biochem.* 337: 17-24.
7. Viola, S., et al. 2010. Modulation of C6 Glioma cell proliferation by Ureido-Calix[8]arenes. *Pharmacology* 86: 182-188.
8. Hristov, G., et al. 2010. Through its nonstructural protein NS1, parvovirus H-1 induces apoptosis via accumulation of reactive oxygen species. *J. Virol.* 84: 5909-5922.
9. Li, B., et al. 2011. Increased hedgehog signaling in postnatal kidney results in aberrant activation of nephron developmental programs. *Hum. Mol. Genet.* 20: 4155-4166.
10. Gesser, B., et al. 2011. Dimethylfumarate inhibits MIF-induced proliferation of keratinocytes by inhibiting MSK1 and RSK1 activation and by inducing nuclear p-c-Jun (S63) and p-p53 (S15) expression. *Inflamm. Res.* 60: 643-653.