

goat anti-mouse IgG-HRP: sc-2055

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-mouse IgG-HRP is a pre-adsorbed, affinity purified secondary antibody raised in goat against mouse IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 40% glycerol, 1% stabilizer protein and < 0.01% thimerosal.

APPLICATIONS

goat anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:5000, dilution range: 1:5000-1:10000) and ELISA (starting dilution: 1:500, dilution range: 1:250-1:1000) of immunoglobulin-rich tissues and cells. Optimal dilution to be determined by titration.

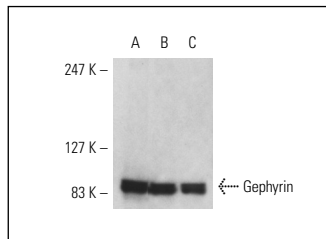
RECOMMENDED SUPPORT PRODUCTS

- 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 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® 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)

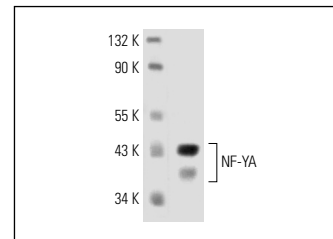
STORAGE

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

DATA



goat anti-mouse IgG-HRP: sc-2055. Western blot analysis of Gephyrin expression in BC3H1 (A), SK-N-MC (B) and H4 (C) whole cell lysates. Antibody tested: Gephyrin (G-6): sc-25311.



goat anti-mouse IgG-HRP: sc-2055. Western blot analysis of NF-YA expression in NIH/3T3 whole cell lysate. Antibody tested: NF-YA (G-2): sc-17753.

SELECT PRODUCT CITATIONS

- Krones, A., et al. 2001. Cross-talk between the signals hypoxia and glucose at the glucose response element of the L-type pyruvate kinase gene. *Endocrinology* 142: 2707-2718.
- Khan, K., et al. 2010. Enterotoxigenic *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.
- Grabinski, N., et al. 2011. Distinct functional roles of Akt isoforms for proliferation, survival, migration and EGF-mediated signalling in lung cancer derived disseminated tumor cells. *Cell. Signal.* 23: 1952-1960.
- Meyer, R.D., et al. 2011. PEST motif serine and tyrosine phosphorylation controls vascular endothelial growth factor receptor 2 stability and down-regulation. *Mol. Cell. Biol.* 31: 2010-2025.
- Horrix, C., et al. 2011. Plant ribosome-inactivating proteins type II induce the unfolded protein response in human cancer cells. *Cell. Mol. Life Sci.* 68: 1269-1281.
- Dougherty, E.J., et al. 2012. Deducing the temporal order of cofactor function in ligand-regulated gene transcription: theory and experimental verification. *PLoS One* 7: e30225.
- Paschou, M. and Doxakis, E. 2012. Neurofibromin 1 is a miRNA target in neurons. *PLoS One* 7: e46773.

RESEARCH USE

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

See **m-IgGκ BP-HRP** (mouse IgGκ binding protein-HRP): **sc-516102**, our highly recommended recombinant alternative to conventional secondary anti-mouse IgG HRP reagents.