

donkey anti-mouse IgG-HRP: sc-2096

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

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

PRODUCT

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

APPLICATIONS

donkey 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.

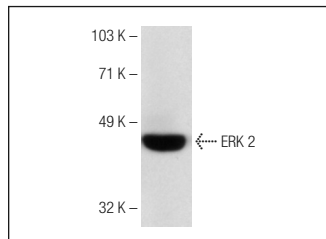
RECOMMENDED SUPPORT PRODUCTS

- 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® 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)

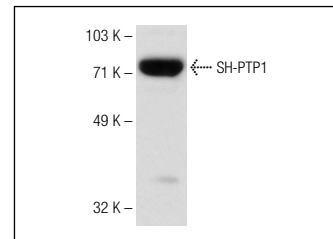
STORAGE

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

DATA



donkey anti-mouse IgG-HRP: sc-2096. Western blot analysis of ERK 2 expression in Jurkat whole cell lysate. Antibody tested (IgG₃): ERK 2 (D-2): sc-1647.



donkey anti-mouse IgG-HRP: sc-2096. Western blot analysis of SH-PTP1 expression in HL-60 whole cell lysate. Antibody tested (IgG_{2b}): SH-PTP1 (D-11): sc-7289.

SELECT PRODUCT CITATIONS

- Wong, K., et al. 2005. HIV-1 Tat interactions with p300 and PCAF transcriptional coactivators inhibit histone acetylation and neurotrophin signaling through CREB. *J. Biol. Chem.* 280: 9390-9399.
- Gupta, M.P., et al. 2008. HDAC4 and PCAF bind to cardiac sarcomeres and play a role in regulating myofilament contractile activity. *J. Biol. Chem.* 283: 10135-10146.
- Sundaresan, N.R., et al. 2008. SIRT3 is a stress-responsive deacetylase in cardiomyocytes that protects cells from stress-mediated cell death by deacetylation of Ku70. *Mol. Cell. Biol.* 28: 6384-6401.
- Rajamohan, S.B., et al. 2009. SIRT1 promotes cell survival under stress by deacetylation-dependent deactivation of poly (ADP-ribose) polymerase 1. *Mol. Cell. Biol.* 29: 4116-4129.
- Mandic, R., et al. 2009. Cisplatin resistance of the HNSCC cell line UT-SCC-26A can be overcome by stimulation of the EGF-receptor. *Anticancer Res.* 29: 1181-1187.
- Brigman, J.L., et al. 2010. Loss of GluN2B-containing NMDA receptors in CA1 hippocampus and cortex impairs long-term depression, reduces dendritic spine density, and disrupts learning. *J. Neurosci.* 30: 4590-4600.
- Sender, V., et al. 2011. Pulmonary surfactant protein A enhances endolysosomal trafficking in alveolar macrophages through regulation of Rab7. *J. Immunol.* 186: 2397-2411.

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.