

# donkey anti-mouse IgG-HRP: sc-2314

## 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

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

## PRODUCT

Each vial contains 200 µg donkey 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). Optimal dilution to be determined by titration.

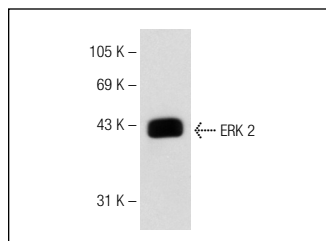
## RECOMMENDED SUPPORT PRODUCTS

- 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)

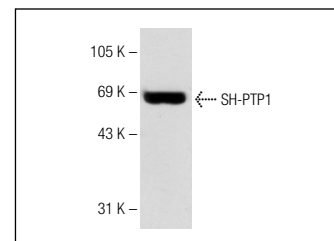
## STORAGE

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

## DATA



donkey anti-mouse IgG-HRP: sc-2314. Western blot analysis of ERK 2 expression in Jurkat whole cell lysate. Antibody tested: ERK 2 (D-2): sc-1647.



donkey anti-mouse IgG-HRP: sc-2314. Western blot analysis of SH-PTP1 expression in HL-60 whole cell lysate. Antibody tested: SH-PTP1 (D-11): sc-7289.

## SELECT PRODUCT CITATIONS

1. Stopka, T., et al. 2003. The ISWI ATPase Snf2h is required for early mouse development. *Proc. Natl. Acad. Sci. USA* 100: 14097-14102.
2. Rogers, D.W., et al. 2009. Transglutaminase-mediated semen coagulation controls sperm storage in the malaria mosquito. *PLoS Biol.* 7: e1000272.
3. Valentine, H.L., et al. 2010. Peripheral nerve and brain differ in their capacity to resolve N,N-diethylthiocarbamate-mediated elevations in copper and oxidative injury. *Toxicology* 274: 10-17.
4. Lirussi, F., et al. 2010. SAR150640, a selective β3-adrenoceptor agonist, prevents human myometrial remodelling and activation of matrix metalloproteinase in an *in vitro* model of chorioamnionitis. *Br. J. Pharmacol.* 159: 1354-1366.
5. Alexaki, V.I., et al. 2010. GLI2-mediated melanoma invasion and metastasis. *J. Natl. Cancer Inst.* 102: 1148-1159.
6. Recouvreux, M.V., et al. 2011. Active and total transforming growth factor-β1 are differentially regulated by dopamine and estradiol in the pituitary. *Endocrinology* 152: 2722-2730.
7. Basco, D., et al. 2011. Absence of aquaporin-4 in skeletal muscle alters proteins involved in bioenergetic pathways and calcium handling. *PLoS ONE* 6: e19225.
8. Huang, L., et al. 2011. Prevention of transcriptional silencing by a replicator-binding complex consisting of SWI/SNF, MeCP1, and hnRNP C1/C2. *Mol. Cell. Biol.* 31: 3472-3484.

## 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.