

goat anti-rabbit IgG-HRP: sc-2004

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-rabbit IgG-HRP is an affinity purified secondary antibody raised in goat against whole rabbit IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg 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 (starting dilution: 1:5000, dilution range: 1:500-1:10,000; 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 Blotting 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)

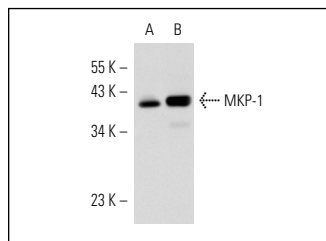
RESEARCH USE

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

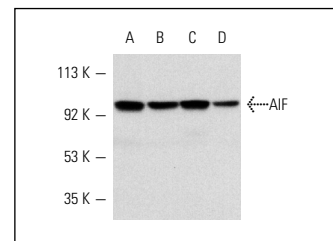
STORAGE

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

DATA



goat anti-rabbit IgG-HRP: sc-2004. Western blot analysis of MKP-1 expression in Hep G2 (A) and SW480 (B) whole cell lysates. Antibody tested: MKP-1 (M-18): sc-1102.



goat anti-rabbit IgG-HRP: sc-2004. Western blot analysis of AIF expression in AML-193 (A), CCRF-CEM (B), Hep G2 (C) and MOLT-4 (D) whole cell lysates. Antibody tested: AIF (H-300): sc-5586.

SELECT PRODUCT CITATIONS

1. Chung, C.D., et al. 1997. T cell antigen receptor induced IL-2 production and apoptosis have different requirements for Lck activities. *J. Immunol.* 159: 1758-1766.
2. Wang, K., et al. 2012. Cardiac hypertrophy is positively regulated by MicroRNA miR-23a. *J. Biol. Chem.* 287: 589-599.
3. Keating, G., et al. 2012. Regulation of the human prostacyclin receptor gene in megakaryocytes: major roles for C/EBPδ and PU.1. *Biochim. Biophys. Acta* 1819: 428-445.
4. Silva, S.L., et al. 2012. Neuritic growth impairment and cell death by unconjugated bilirubin is mediated by NO and glutamate, modulated by microglia, and prevented by glycocholate and interleukin-10. *Neuropharmacology* 62: 2398-2408.
5. Lappano, R., et al. 2012. MIBE acts as antagonist ligand of both estrogen receptor α and GPER in breast cancer cells. *Breast Cancer Res.* 14: R12.
6. Lappano, R., et al. 2012. Two novel GPER agonists induce gene expression changes and growth effects in cancer cells. *Curr. Cancer Drug Targets* 12: 531-542.
7. De Marco, P., et al. 2012. Insulin-like growth factor-I regulates GPER expression and function in cancer cells. *Oncogene* 32: 678-688.
8. Ortis, F., et al. 2012. Differential usage of NF-κB activating signals by IL-1β and TNF-α in pancreatic β cells. *FEBS Lett.* 586: 984-989.
9. Diez, H., et al. 2012. Specific roles of Akt iso forms in apoptosis and axon growth regulation in neurons. *PLoS ONE* 7: e32715.
10. Hulsmans, M., et al. 2012. Decrease of miR-146b-5p in monocytes during obesity is associated with loss of the anti-inflammatory but not insulin signaling action of adiponectin. *PLoS ONE* 7: e32794.
11. Hsu, Y.Y., et al. 2012. Triptolide increases SMN transcript and protein levels in human SMA fibroblasts and improves survival in SMA-like mice. *Br. J. Pharmacol.* 166: 1114-1126.