SANTA CRUZ BIOTECHNOLOGY, INC.

goat anti-mouse IgG-HRP: sc-2302

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. We offer Cruz Marker™ compatible secondary antibodies, which are used in conjunction with Santa Cruz Biotechnology's Cruz Marker™ molecular weight standards. Cruz Marker™ compatible secondary antibodies recognize an epitope common to each of the Cruz Marker™ molecular weight standards and are provided as horseradish peroxidase (HRP) and alkaline phosphatase (AP) conjugated secondary antibodies for detection of mouse, goat, rabbit and rat primary antibodies. Pre-adsorbed HRP and AP conjugated Cruz Marker™ compatible secondary antibodies are also available and are recommended for use with immunoglobulin-rich samples.

SOURCE

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

PRODUCT

Each vial contains 200 µg human adsorbed IgG in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

goat anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting of immunoglobulin-rich tissues and cells (starting dilution: 1:2000, dilution range 1:2000-1:10000).

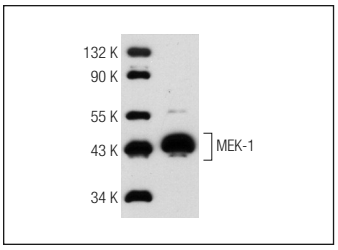
RECOMMENDED SUPPORT PRODUCTS

- UltraCruz™ Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz™ Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- 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
- Cruz Blot-A: sc-3901 (Western blotting membrane with human cell line extracts from 10 different cell types)
- 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
- Western Blotting Luminol Reagent, for 2,000 cm^2 membrane area: sc-2048
- 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
- Cruz Marker™ Molecular Weight Standards, for 50 gels: sc-2035

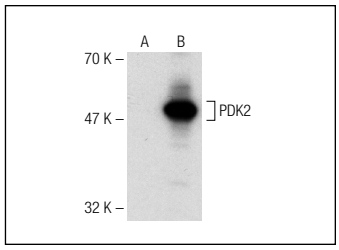
STORAGE

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-2302. Western blot analysis of MEK-1 expression in HeLa whole cell lysate. Antibody tested: MEK-1 (H-8): sc-6250.



goat anti-mouse IgG-HRP: sc-2302. Western blot analysis of PDK2 expression in non-transfected: sc-117752 (**A**) and human PDK2 transfected: sc-158837 (**B**) 293T whole cell lysates. Antibody tested: PDK2 (S-15): sc-100534.

SELECT PRODUCT CITATIONS

1. Zicha, S., et al. 2003. Molecular basis of species-specific expression of repolarizing K^+ currents in the heart. Am. J. Physiol. Heart Circ. Physiol. 285: H1641-H1649.
2. Genové, E., et al. 2009. Functionalized self-assembling peptide hydrogel enhance maintenance of hepatocyte activity *in vitro*. J. Cell. Mol. Med. 13: 3387-3397.
3. Al-Mahmood, S., et al. 2009. Potent *in vivo* antiangiogenic effects of GS-101 (5'-TATCCGGAGGGCTCGCCATGCTGCT-3'), an antisense oligonucleotide preventing the expression of Insulin receptor substrate-1. J. Pharmacol. Exp. Ther. 329: 496-504.
4. Huang, B., et al. 2009. Pharmacologic p53 activation blocks cell cycle progression but fails to induce senescence in epithelial cancer cells. Mol. Cancer Res. 7: 1497-1509.
5. Thompson, T., et al. 2010. 1,25-dihydroxyvitamin D3 enhances the apoptotic activity of MDM2 antagonist nutlin-3α in acute myeloid leukemia cells expressing wild type p53. Mol. Cancer Ther. 9: 1158-1168.
6. Kohaar, I., et al. 2010. Splicing diversity of the human OCLN gene and its biological significance for hepatitis C virus entry. J. Virol. 84: 6987-6994.
7. Mingaleeva, R.N., et al. 2010. Comparative analysis of herpes simplex virus thymidine kinase gene expression potentiation via HIV-1 Tat-TAR-system and cancer-specific promoters in $p53^+$ and $p53^-$ cells. Mol. Biol. 44: 507-514.
8. Bellei, B., et al. 2012. Inhibition of melanogenesis by the pyridinyl imidazole class of compounds: possible involvement of the Wnt/β-catenin signaling pathway. PLoS ONE 7: e33021.

RESEARCH USE

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