SANTA CRUZ BIOTECHNOLOGY, INC.

bovine anti-mouse IgG-HRP: sc-2380

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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

bovine anti-mouse IgG-HRP is a CruzMarker™ compatible, affinity purified secondary antibody raised in bovine against mouse 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

bovine anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000; optimal dilution to be determined by titration).

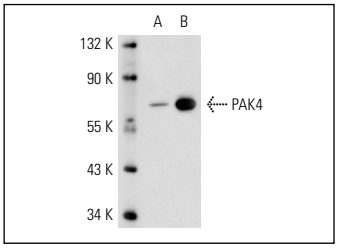
RECOMMENDED SUPPORT PRODUCTS

- 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

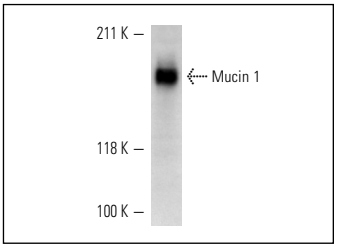
STORAGE

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

DATA



bovine anti-mouse IgG-HRP: sc-2380. Western blot analysis of PAK4 expression in non-transfected: sc-110760 (**A**) and human PAK4 transfected: sc-111101 (**B**) 293 whole cell lysates. Antibody tested: PAK4 (6C1): sc-81532.



bovine anti-mouse IgG-HRP: sc-2380. Western blot analysis of Mucin 1 expression in BT-20 whole cell lysate. Antibody tested: Mucin 1 (M9E7): sc-52093.

SELECT PRODUCT CITATIONS

1. Lu, X., et al. 2005. PPM1D dephosphorylates Chk1 and p53 and abrogates cell cycle checkpoints. Genes Dev. 19: 1162-1174.
2. Włodarski, P., et al. 2006. Activation of Akt and Erk pathways in medulloblastoma. Folia Neuropathol. 44: 214-220.
3. Wittlinger, M., et al. 2007. Time and dose-dependent activation of p53 serine 15 phosphorylation among cell lines with different radiation sensitivity. Int. J. Radiat. Biol. 83: 245-257.
4. Horzinski, L., et al. 2008. Exon deletion in the non-catalytic domain of eIF2Bε due to a splice site mutation leads to infantile forms of CACH/VWM with severe decrease of eIF2B GEF activity. Ann. Hum. Genet. 72: 410-415.
5. Panicker, L.M., et al. 2010. Nuclear localization of the G protein β5/R7-regulator of G protein signaling protein complex is dependent on R7 binding protein. J. Neurochem. 113: 1101-1112.
6. Lugo-Caballero, C., et al. 2013. Identification of protein complex associated with LYT1 of *Trypanosoma cruzi*. Biomed Res. Int. 2013: 493525.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.