SANTA CRUZ BIOTECHNOLOGY, INC.

bovine anti-goat IgG-HRP: sc-2378

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-goat IgG-HRP is a CruzMarker™ compatible, affinity purified secondary antibody raised in bovine against goat 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-goat IgG-HRP is recommended for detection of goat IgG by Western Blotting (starting dilution: 1:5000, dilution range 1:5000-1:10000; optimal dilution to be determined by titration).

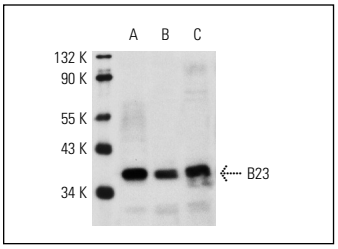
RECOMMENDED SUPPORT PRODUCTS

- 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

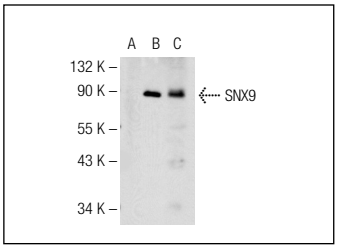
STORAGE

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

DATA



bovine anti-goat IgG-HRP: sc-2378. Western blot analysis of B23 expression in HEL 92.1.7 (**A**), LNCaP (**B**) and HeLa (**C**) whole cell lysates. Antibody tested: B23 (C-19): sc-6013.



bovine anti-goat IgG-HRP: sc-2378. Western blot analysis of SNX9 expression in non-transfected 293T: sc-117752 (**A**), human SNX9 transfected 293T: sc-174107 (**B**) and 3T3-L1 (**C**) whole cell lysates. Anti-body tested: SNX9 (N-20): sc-49143.

SELECT PRODUCT CITATIONS

1. Evans, J.F., et al. 2004. ACTH enhances chondrogenesis in multipotential progenitor cells and matrix production in chondrocytes. Bone 35: 96-107.
2. Decker, P.V., et al. 2008. Catalytic-site mutations in the MYST family histone acetyltransferase Esa1. Genetics 178: 1209-1220.
3. Zaytseva, Y.Y., et al. 2008. Down-regulation of PPARγ1 suppresses cell growth and induces apoptosis in MCF-7 breast cancer cells. Mol. Cancer 7: 90.
4. Sumegi, J., et al. 2010. Recurrent t(2;2) and t(2;8) translocations in rhabdomyosarcoma without the canonical PAX-FOXO1 fuse Pax-3 to members of the nuclear receptor transcriptional coactivator family. Genes Chromosomes Cancer 49: 224-236.
5. Zoldakova, M., et al. 2010. Effects of a combretastatin A4 analogous chalcone and its Pt-complex on cancer cells: a comparative study of uptake, cell cycle and damage to cellular compartments. Biochem. Pharmacol. 80: 1487-1496.
6. Chiang, H.M., et al. 2010. Hydrolysates of citrus plants stimulate melanogenesis protecting against UV-induced dermal damage. Phytother. Res. 25: 569-576.
7. Clement, C.C., et al. 2013. Protein expression profiles of human lymph and plasma mapped by 2D-DIGE and 1D SDS-PAGE coupled with nanoLC-ESI-MS/MS bottom-up proteomics. J. Proteomics 78: 172-187.

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.