

goat anti-mouse IgG₁-HRP: sc-2969

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 horseradish peroxidase (HRP) and alkaline phosphatase (AP) conjugated isotype-specific secondary antibodies for detection of mouse IgG₁, IgG_{2a}, IgG_{2b}, IgG₃, IgM and IgA in Western Blot and ELISA. Pre-adsorbed HRP and AP conjugated isotype-specific secondary antibodies are also available and are recommended for use with immunoglobulin-rich samples.

SOURCE

goat anti-mouse IgG₁-HRP is a pre-adsorbed, affinity purified secondary antibody raised in goat against mouse IgG₁ and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg goat IgG₁ (pre-adsorbed with human IgG) in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

goat anti-mouse IgG₁-HRP is recommended for detection of mouse IgG₁ by Western Blotting (starting dilution: 1:1000, dilution range 1:1,000-1:10,000; optimal dilution to be determined by titration) and immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400).

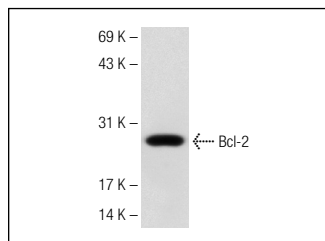
RECOMMENDED SUPPORT PRODUCTS

- 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-291300
- 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 cm² 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
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

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 IgG₁-HRP: sc-2969. Western blot analysis of Bcl-2 expression in Jurkat whole cell lysate. Antibody tested: Bcl-2 (100): sc-509.

SELECT PRODUCT CITATIONS

1. Mattar, A.F., et al. 2002. Probiotics up-regulate MUC-2 mucin gene expression in a Caco-2 cell-culture model. *Pediatr. Surg. Int.* 18: 586-590.
2. Mankad, A., et al. 2006. Natural gene therapy in monozygotic twins with Fanconi anemia. *Blood* 107: 3084-3090.
3. Brigman, J.L., et al. 2010. Loss of GluN2B-containing NMDA receptors in CA1 hippocampus and cortex impairs long-term depression, reduces dendritic spine density, and disrupts learning. *J. Neurosci.* 30: 4590-4600.
4. Rylander, M.N., et al. 2010. Measurement and mathematical modeling of thermally induced injury and heat shock protein expression kinetics in normal and cancerous prostate cells. *Int. J. Hyperthermia* 26: 748-764.
5. Gustin, R.M., et al. 2010. Tissue-specific variation of Ube3a protein expression in rodents and in a mouse model of Angelman syndrome. *Neurobiol. Dis.* 39: 283-291.
6. Chen, S.Y., et al. 2011. zVAD-induced autophagic cell death requires c-Src-dependent ERK and JNK activation and reactive oxygen species generation. *Autophagy* 7: 217-228.
7. Chung, E. and Rylander, M.N. 2012. Response of preosteoblasts to thermal stress conditioning and osteoinductive growth factors. *Cell Stress Chaperones* 17: 203-214.

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.