

goat anti-mouse IgG₁-HRP: sc-2060

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 an affinity purified secondary antibody raised in goat against mouse IgG₁ and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg IgG₁ 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).

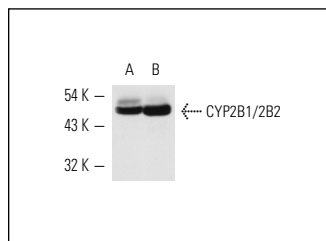
RECOMMENDED SUPPORT PRODUCTS

- 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
- CrystalCruz™ Micro Slides 75 x 25 mm; frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

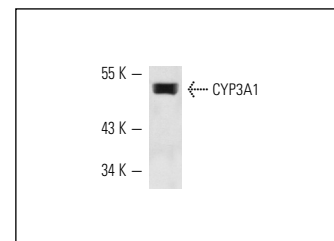
STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment.

DATA



goat anti-mouse IgG₁-HRP: sc-2060. Western blot analysis of CYP2B1/2B2 expression in rat (A) and mouse (B) liver tissue extracts. Antibody tested: CYP2B1/2B2 (b/e3): sc-53242.



goat anti-mouse IgG₁-HRP: sc-2060. Western blot analysis of CYP3A1 expression in rat liver tissue extract. Antibody tested: CYP3A1 (P6): sc-53246.

SELECT PRODUCT CITATIONS

1. Rojkova, A.M., et al. 2003. G_γ subunit-selective G protein β5 mutant defines regulators of G protein signaling protein binding requirement for nuclear localization. *J. Biol. Chem.* 278: 12507-12512.
2. Tyler, J.S., et al. 2004. Characterization of a eukaryotic-like tyrosine protein kinase expressed by the Shiga toxin-encoding bacteriophage 933W. *J. Bacteriol.* 186: 3472-3479.
3. Ducut Sigala, J.L., et al. 2004. Activation of transcription factor NFκB requires ELKS, an IκB kinase regulatory subunit. *Science* 304: 1963-1967.
4. Formigli, L., et al. 2005. Sphingosine 1-phosphate induces cytoskeletal reorganization in C₂C₁₂ myoblasts: physiological relevance for stress fibres in the modulation of ion current through stretch-activated channels. *J. Cell Sci.* 118: 1161-1171.
5. Heffner, M., et al. 2007. Loss of T cell receptor-induced Bmi-1 in the KLRG1⁺ senescent CD8⁺ T lymphocyte. *Proc. Natl. Acad. Sci. USA* 104: 13414-13419.
6. Qian, J., et al. 2007. Suppression of type 1 Insulin-like growth factor receptor expression by small interfering RNA inhibits A549 human lung cancer cell invasion *in vitro* and metastasis in xenograft nude mice. *Acta Biochim. Biophys. Sin.* 39: 137-147.
7. Dong, A.Q., et al. 2007. Down-regulation of IGF-IR using small, interfering, hairpin RNA (siRNA) inhibits growth of human lung cancer cell line A549 *in vitro* and in nude mice. *Cell Biol. Int.* 31: 500-507.
8. Batista, L.F., et al. 2009. p53 mutant human glioma cells are sensitive to UV-C-induced apoptosis due to impaired cyclobutane pyrimidine dimer removal. *Mol. Cancer Res.* 7: 237-246.
9. Uhlířová, R., et al. 2010. SUV39h- and A-type lamin-dependent telomere nuclear rearrangement. *J. Cell. Biochem.* 109: 915-926.

RESEARCH USE

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