

goat anti-guinea pig IgG-HRP: sc-2438

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. Secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG₁, IgG_{2a}, IgG_{2b}, IgG₃ and IgG₄. Santa Cruz Biotechnology offers a wide selection of secondary antibodies, which are used in conjunction with our Cruz Marker™ molecular weight standards. We also provide specialized secondaries, such as pre-adsorbed secondary antibodies, which are pre-adsorbed with human IgG and mouse IgG for immunoglobulin-rich tissues and cells, F(ab')₂ fragment secondary antibodies that reduce non-specific secondary antibody binding to Fc receptors on the cell surface, and isotype-specific secondary antibodies against IgM, IgA and IgY.

SOURCE

goat anti-guinea pig IgG-HRP is an affinity purified secondary antibody raised in goat against guinea pig 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

goat anti-guinea pig IgG-HRP is recommended for detection of guinea pig IgG by Western Blotting (starting dilution: 1:5000, dilution range 1:5000-1:10000; optimal dilution to be determined by titration).

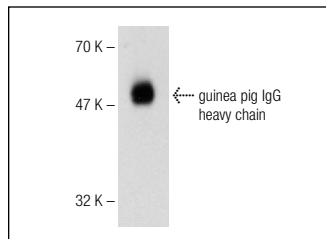
RECOMMENDED SUPPORT PRODUCTS

- Western Blotting Luminol Reagent, for 2,000 cm² membrane area: sc-2048
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- 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
- 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
- UltraCruz™ Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz™ Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- 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
- UltraCruz™ Gel Incubation Trays, 100 per pack: sc-201755 (blue), sc-201756 (green), sc-201757 (pink), sc-201758 (yellow), sc-201759 (orange)

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-guinea pig IgG-HRP: sc-2438. Western blot detection of denatured guinea pig IgG heavy chain.

SELECT PRODUCT CITATIONS

1. Chen, Y.H., et al. 2006. 17β-estradiol stimulates resistin gene expression in 3T3-L1 adipocytes via the estrogen receptor, ERK, and C/EBPα pathways. *Endocrinology* 147: 4496-4504.
2. Bjorkoy, G., et al. 2009. Monitoring autophagic degradation of p62/SQSTM1. *Meth. Enzymol.* 452: 181-197.
3. Lettau, I., et al. 2010. Matrix metalloproteinase-19 is highly expressed in astroglial tumors and promotes invasion of glioma cells. *J. Neuropathol. Exp. Neurol.* 69: 215-223.
4. Pauloin, A., et al. 2010. Oleate and linoleate stimulate degradation of β-casein in prolactin-treated HC11 mouse mammary epithelial cells. *Cell Tissue Res.* 340: 91-102.
5. Mentlein, R., et al. 2011. Expression and role of the cell surface protease seprase/fibroblast activation protein-α (FAP-α) in astroglial tumors. *Biol. Chem.* 392: 199-207.
6. Amati, F., et al. 2011. Skeletal muscle triglycerides, diacylglycerols, and ceramides in Insulin resistance: another paradox in endurance-trained athletes? *Diabetes* 60: 2588-2597.
7. Pauloin, A. and Chanat, E. 2012. Prolactin and epidermal growth factor stimulate adipophilin synthesis in HC11 mouse mammary epithelial cells via the PI3-kinase/Akt/mTOR pathway. *Biochim. Biophys. Acta* 1823: 987-996.

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.