

goat anti-rat IgG-HRP: sc-2065

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

PRODUCT

Each vial contains 200 µg mouse and human adsorbed IgG in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

goat anti-rat IgG-HRP is recommended for detection of rat IgG by Western Blotting of immunoglobulin-rich tissues and cells (starting dilution: 1:5000, dilution range 1:5000-1:10000).

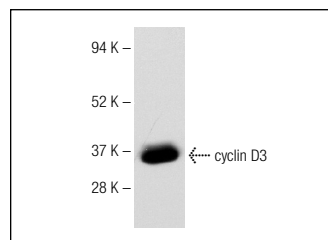
RECOMMENDED SUPPORT PRODUCTS

- 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™ 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)

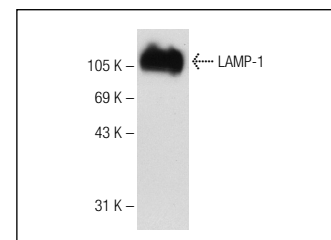
STORAGE

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

DATA



goat anti-rat IgG-HRP: sc-2065. Western blot analysis of cyclin D3 expression in PMA induced Jurkat nuclear extract. Antibody tested: cyclin D3 (18B6-10): sc-453.



goat anti-rat IgG-HRP: sc-2065. Western blot analysis of LAMP-1 expression in Sol8 whole cell lysate. Antibody tested: LAMP-1 (1D4B): sc-19992.

SELECT PRODUCT CITATIONS

- Kotton D.N., et al. 2003. Stem cell antigen-1 expression in the pulmonary vascular endothelium. *Am. J. Physiol. Lung Cell Mol. Physiol.* 284: L990-L996.
- Monaghan, E., et al. 2004. The receptor for urokinase-type plasminogen activator regulates fibronectin matrix assembly in human skin fibroblasts. *J. Biol. Chem.* 279: 1400-1407.
- Monaghan-Benson, E. and McKeown-Longo, P.J. 2006. Urokinase-type plasminogen activator receptor regulates a novel pathway of fibronectin matrix assembly requiring Src-dependent transactivation of epidermal growth factor receptor. *J. Biol. Chem.* 281: 9450-9459.
- Kagami, S., et al. 2008. CCL27-transgenic mice show enhanced contact hypersensitivity to Th2, but not Th1 stimuli. *Eur. J. Immunol.* 38: 647-657.
- Nichol, K.E., et al. 2008. Exercise alters the immune profile in Tg2576 Alzheimer mice toward a response coincident with improved cognitive performance and decreased amyloid. *J. Neuroinflammation* 5: 13.
- Mogami, H., et al. 2009. Isocaloric high-protein diet as well as branched-chain amino acids supplemented diet partially alleviates adverse consequences of maternal undernutrition on fetal growth. *Growth Horm. IGF Res.* 19: 478-485.
- Puig, K.L., et al. 2012. Amyloid precursor protein and proinflammatory changes are regulated in brain and adipose tissue in a murine model of high fat diet-induced obesity. *PLoS ONE* 7: e30378.

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.