

# bovine anti-goat IgG-HRP: sc-2350

## 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 IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. 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')<sub>2</sub> 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

bovine anti-goat IgG-HRP is an 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

- Western Blotting Luminol Reagent, for 2,000 cm<sup>2</sup> 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)

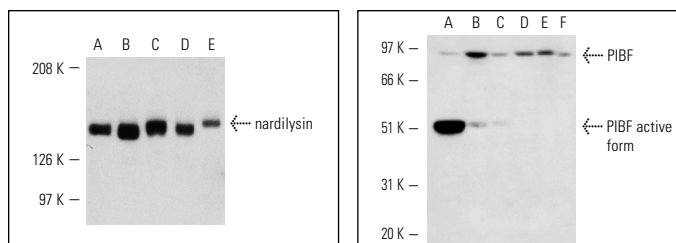
## STORAGE

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

## RESEARCH USE

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

## DATA



bovine anti-goat IgG-HRP: sc-2350. Western blot analysis of nardilysin expression in K-562 (A), HeLa (B), MIA PaCa-2 (C) and LNCaP (D) whole cell lysates and rat testis extract (E). Antibody tested: nardilysin (N-20): sc-18587.

bovine anti-goat IgG-HRP: sc-2350. Western blot analysis of PIBF expression in MCF7 (A), MDA-MB-231 (B), ZR-75-1 (C), HeLa (D) and 3T3-L1 (E) whole cell lysates and HeLa (F) nuclear extract. Antibody tested: PIBF (K-18): sc-48265.

## SELECT PRODUCT CITATIONS

- Rathi, S. 2003. Functional and molecular characterization of  $\beta$ -adrenoceptors in the internal anal sphincter. *J. Pharmacol. Exp. Ther.* 305: 615-624.
- Mizunoya, W., et al. 2011. Nitric-oxide donors improve prednisone effects on muscular dystrophy in the mdx mouse diaphragm. *Am. J. Physiol., Cell Physiol.* 300: C1065-C1077.
- Almela, P., et al. 2011. Naloxone-precipitated morphine withdrawal evokes phosphorylation of heat shock protein 27 in rat heart through extracellular signal-regulated kinase. *J. Mol. Cell. Cardiol.* 51: 129-139.
- Kalmes, M., et al. 2011. Impact of aryl hydrocarbon receptor (AhR) knock-down on cell cycle progression in human HaCaT keratinocytes. *Biol. Chem.* 392: 643-651.
- Akama, K., et al. 2011. Proteomic identification of differentially expressed genes in neural stem cells and neurons differentiated from embryonic stem cells of cynomolgus monkey (*Macaca fascicularis*) in vitro. *Biochim. Biophys. Acta* 1814: 265-276.
- Yasui, K., et al. 2011. Effects of oolong tea on gene expression of gluconeogenic enzymes in the mouse liver and in rat hepatoma H4IIE cells. *J. Med. Food* 14: 930-938.
- Diegelmann, J., et al. 2012. A novel role for interleukin-27 (IL-27) as mediator of intestinal epithelial barrier protection mediated via differential signal transducer and activator of transcription (STAT) protein signaling and induction of antibacterial and anti-inflammatory proteins. *J. Biol. Chem.* 287: 286-298.
- 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.
- Bellei, B., et al. 2012. Inhibition of melanogenesis by the pyridinyl imidazole class of compounds: possible involvement of the Wnt/ $\beta$ -catenin signaling pathway. *PLoS ONE* 7: e33021.