

bovine anti-mouse IgG-HRP: sc-2375

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

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

PRODUCT

Each vial contains 200 µg bovine IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 40% glycerol, 1% stabilizer protein and < 0.01% thimerosal.

APPLICATIONS

bovine anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:5000, dilution range: 1:5000-1:10000) and ELISA (starting dilution: 1:500, dilution range: 1:250-1:1000) of immunoglobulin-rich tissues and cells. Optimal dilution to be determined by titration.

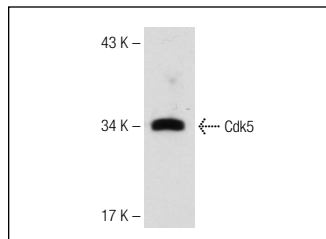
RECOMMENDED SUPPORT PRODUCTS

- 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



bovine anti-mouse IgG-HRP: sc-2375. Western blot analysis of Cdk5 expression in HeLa whole cell lysate. Antibody tested: Cdk5 (J-3): sc-6247.

SELECT PRODUCT CITATIONS

- Xiang, S., et al. 2006. Short hairpin RNA-expressing bacteria elicit RNA interference in mammals. *Nat. Biotechnol.* 24: 697-702.
- Chen, J., et al. 2006. Stevioside counteracts β -cell lipotoxicity without affecting acetyl CoA carboxylase. *Rev. Diabet. Stud.* 3: 178-188.
- Chen, J., et al. 2007. Stevioside improves pancreatic β -cell function during glucotoxicity via regulation of acetyl-CoA carboxylase. *Am. J. Physiol. Endocrinol. Metab.* 292: E1906-E1916.
- Nordentoft, I., et al. 2007. Expression analysis of cPLA2 α interacting TIP60 in diabetic KKAY and non-diabetic C57BL wild-type mice: no impact of transient and stable TIP60 overexpression on glucose-stimulated Insulin secretion in pancreatic β -cells. *Rev. Diabet. Stud.* 4: 147-158.
- Li, B., et al. 2011. Increased hedgehog signaling in postnatal kidney results in aberrant activation of nephron developmental programs. *Hum. Mol. Genet.* 20: 4155-4166.

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.

See **m-IgG κ BP-HRP** (mouse IgG κ binding protein-HRP): **sc-516102**, our highly recommended recombinant alternative to conventional secondary anti-mouse IgG HRP reagents.