SANTA CRUZ BIOTECHNOLOGY, INC.

donkey anti-rabbit IgG-HRP: sc-2077

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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_1, IgG_{2a}, IgG_{2b}, IgG_3 and IgG_4. 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

donkey anti-rabbit IgG-HRP is a pre-adsorbed, affinity purified secondary antibody raised in donkey against rabbit 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

donkey anti-rabbit IgG-HRP is recommended for detection of rabbit 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 cm^2 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™ 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)

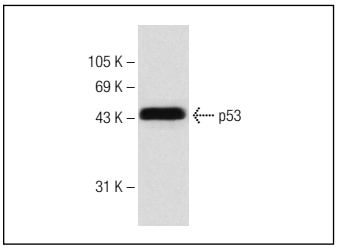
PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

STORAGE

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

DATA



donkey anti-rabbit IgG-HRP: sc-2077. Western blot analysis of p53 expression in Lac-Z whole cell lysate. Antibody tested: p53 (FL-393): sc-6243.

SELECT PRODUCT CITATIONS

1. Wu, Y., et al. 2005. Age related changes of various markers of astrocytes in senescence-accelerated mice hippocampus. Neurochem. Int. 46: 565-574.
2. Zode, G.S., et al. 2007. Activation of the BMP canonical signaling pathway in human optic nerve head tissue and isolated optic nerve head astrocytes and lamina cribrosa cells. Invest. Ophthalmol. Vis. Sci. 48: 5058-5067.
3. Wunderlich, D.A., et al. 2007. Generation and characterization of a monoclonal IgG antibody to polyethylene glycol. Hybridoma 26: 168-172.
4. Koumakpayi, I.H., et al. 2007. Low nuclear ErbB3 predicts biochemical recurrence in patients with prostate cancer. BJU Int. 100: 303-309.
5. Li, Q., et al. 2009. Gene expression of synaptosomal-associated protein 25 (SNAP-25) in the prefrontal cortex of the spontaneously hypertensive rat (SHR). Biochim. Biophys. Acta 1792: 766-776.
6. Brigman, J.L., et al. 2010. Loss of GluN2B-containing NMDA receptors in CA1 hippocampus and cortex impairs long-term depression, reduces dendritic spine density, and disrupts learning. J. Neurosci. 30: 4590-4600.
7. Paulsson, A.K., et al. 2010. Post-translational regulation of calsarcin-1 during pressure overload-induced cardiac hypertrophy. J. Mol. Cell. Cardiol. 48: 1206-1214.
8. Askew, E.B., et al. 2010. Transcriptional synergy between melanoma antigen gene protein-A11 (MAGE-11) and p300 in androgen receptor signaling. J. Biol. Chem. 285: 21824-21836.

RESEARCH USE

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