SANTA CRUZ BIOTECHNOLOGY, INC.

donkey anti-goat IgG, F(ab')$_2$-HRP: sc-3851

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 or against antibody fragments such as the Fc or F(ab')$_2$ regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')$_2$ specific secondary antibodies for immunohistochemistry and flow cytometry that are non-conjugated or labeled with either AP (alkaline phosphatase), fluorescein, biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetra-methyl rhodamine isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin with cyanin-5), PE-Cy7 (phycoerythrin with cyanin-7), APC (allophycocyanin), APC-Cy7 and (allophycocyanin with cyanin-7). F(ab')$_2$ secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat, and are recommended for reducing non-specific secondary antibody binding to Fc receptors on the cell surface.

SOURCE

donkey anti-goat IgG, F(ab')$_2$-HRP is an affinity purified pre-adsorbed, F(ab')$_2$ fragment secondary antibody raised in donkey against goat IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg donkey IgG (pre-adsorbed with human IgG) in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

donkey anti-goat IgG, F(ab')$_2$-HRP is recommended for detection of goat IgG by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000) and immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400). Recommended for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz™ Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with in situ hybridization, 30 ml: sc-45088
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

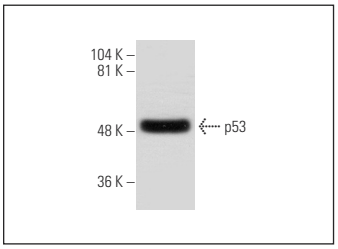
STORAGE

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



donkey anti-goat IgG, F(ab')$_2$-HRP: sc-3851. Western blot analysis of p53 expression in Lac-Z whole cell lysate. Antibody tested: p53 (FL-393)-G: sc-6243-G.

SELECT PRODUCT CITATIONS

1. Rosado, J. 2000. Coupling between inositol 1,4,5-trisphosphate receptors and human transient receptor potential channel 1 when intracellular Ca^{2+} stores are depleted. Biochem. J. 350: 631-635.
2. Brownlow, S.L. 2003. Rapid agonist-evoked coupling of type II Ins(1,4,5)P3 receptor with human transient receptor potential (hTRPC1) channels in human platelets. Biochem. J. 375: 697-704.
3. Lecain, E., et al. 2007. The role of PKCζ in amikacin-induced apoptosis in the cochlea: prevention by aspirin. Apoptosis 12: 333-342.
4. Tokuda, M., et al. 2007. CDH1 is a specific marker for undifferentiated spermatogonia in mouse testes. Biol. Reprod. 76: 130-141.
5. Zhang, S.O., et al. 2009. Grandparental stem cells in leech segmentation: differences in CDC42 expression are correlated with an alternating pattern of blast cell fates. Dev. Biol. 336: 112-121.
6. Vegt, E., et al. 2011. Renal uptake of different radiolabelled peptides is mediated by megalin: SPECT and biodistribution studies in megalin-deficient mice. Eur. J. Nucl. Med. Mol. Imaging 38: 623-632.
7. Teupser, D., et al. 2011. No reduction of atherosclerosis in C-reactive protein (CRP)-deficient mice. J. Biol. Chem. 286: 6272-6279.

PROTOCOLS

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