SANTA CRUZ BIOTECHNOLOGY, INC.

donkey anti-mouse IgG-R: sc-2300

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 or against antibody fragments. Santa Cruz Biotechnology offers an extensive selection of secondary antibodies optimized for immunohistochemistry and flow cytometry, and are labeled with either biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetramethyl rhodamine iso-thiocyanate), PE (phycoerythrin), PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5). Immunohistochemistry and flow cytometry secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat.

SOURCE

donkey anti-mouse IgG-R is a pre-adsorbed, affinity purified secondary antibody raised in donkey against mouse IgG and conjugated to rhodamine.

PRODUCT

Each vial contains 200 µg donkey IgG (pre-adsorbed with mouse and human IgG) in 0.5 ml of PBS containing 0.02% sodium azide.

APPLICATIONS

donkey anti-mouse IgG-R is recommended for detection of mouse IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400) and immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400).

RECOMMENDED SUPPORT PRODUCTS

A. TISSUE CULTURE CELLS

- 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

B. FROZEN TISSUE SECTIONS

- 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

C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

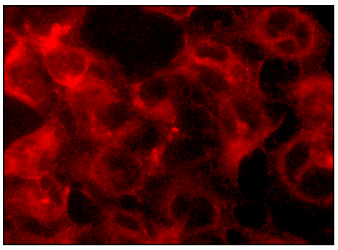
RESEARCH USE

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

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-mouse IgG-R: sc-2300. Immunofluorescence staining of methanol-fixed HeLa cells showing membrane localization. Antibody tested: dsg2 (AH12.2): sc-80663.

SELECT PRODUCT CITATIONS

1. Tortoriello, D.V., et al. 2001. Human follistatin-related protein: a structural homologue of follistatin with nuclear localization. Endocrinology 142: 3426-3434.
2. Fifre, A., et al. 2006. Microtubule-associated protein MAP1A, MAP1B, and MAP2 proteolysis during soluble amyloid β-peptide-induced neuronal apoptosis. Synergistic involvement of calpain and caspase-3. J. Biol. Chem. 281: 229-240.
3. Boulais, N., et al. 2008. The epidermis: a sensory tissue. Eur. J. Dermatol. 18: 119-127.
4. Iacopetta, D., et al. 2009. SLC37A1 Gene expression is up-regulated by epidermal growth factor in breast cancer cells. Breast Cancer Res. Treat. 122: 755-764.
5. Madeo, A., et al. 2009. c-Jun activation is required for 4-hydroxytamoxifen-induced cell death in breast cancer cells. Oncogene 29: 978-991.
6. Olavarría, V.H., et al. 2010. Lipopolysaccharide primes the respiratory burst of Atlantic salmon SHK-1 cells through protein kinase C-mediated phosphorylation of p47phox. Dev. Comp. Immunol. 34: 1242-1253.
7. Xie, R., et al. 2011. Microtubule-associated protein 1S (MAP1S) bridges autophagic components with microtubules and mitochondria to affect autophagosomal biogenesis and degradation. J. Biol. Chem. 286: 10367-10377.

PROTOCOLS

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