SANTA CRUZ BIOTECHNOLOGY, INC.

donkey anti-goat IgG-R: sc-2094

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

PRODUCT

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

APPLICATIONS

donkey anti-goat IgG-R is recommended for detection of goat 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

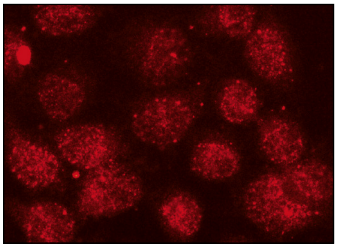
RESEARCH USE

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-goat IgG-R: sc-2094. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear staining. Antibody tested: TAP (R-20): sc-17311.

SELECT PRODUCT CITATIONS

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3. Steidl, U., et al. 2004. Primary human CD34+ hematopoietic stem and progenitor cells express functionally active receptors of neuromediators. Blood 104: 81-88.
4. Ishida, M., et al. 2004. Transcriptional co-activator activity of SYT is negatively regulated by BRM and Brg1. Genes Cells 9: 419-428.
5. Semino, C.E., et al. 2004. Entrapment of migrating hippocampal neural cells in three-dimensional peptide nanofiber scaffold. Tissue Eng. 10: 643-655.
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7. Tayaramma, T., et al. 2006. Chromatin-remodeling factors allow differentiation of bone marrow cells into Insulin-producing cells. Stem Cells 24: 2858-2867.
8. Camozzi, D., et al. 2008. Remodelling of the nuclear lamina during human cytomegalovirus infection: role of the viral proteins pUL50 and pUL53. J. Gen. Virol. 89: 731-740.
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10. Xiao, Z., et al. 2009. Noradrenergic depression of neuronal excitability in the entorhinal cortex via activation of TREK-2 K+ channels. J. Biol. Chem. 284: 10980-10991.
11. Sun, X., et al. 2009. Gene expression and differentiation characteristics in mice E13.5 and E17.5 neural retinal progenitors. Mol. Vis. 15: 2503-2514.