SANTA CRUZ BIOTECHNOLOGY, INC.

donkey anti-rabbit IgG-R: sc-2095

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

PRODUCT

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

APPLICATIONS

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

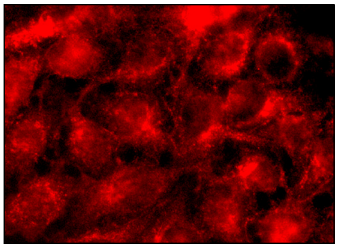
For research use only, not for use in diagnostic procedures.

Texas Red® is a registered trademark of Molecular Probes (6/02).

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-R: sc-2095. Immunofluorescence staining of methanol-fixed HeLa cells showing membrane localization. Antibody tested: FAM109A (C-14): sc-136676.

SELECT PRODUCT CITATIONS

1. Zhang, W., et al. 2001. CCAAT/enhancer-binding protein α alters histone H3 acetylation at large subnuclear domains. J. Biol. Chem. 276: 40373-40376.
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3. Schulz, R., et al. 2003. Ischemic preconditioning preserves connexin 43 phosphorylation during sustained ischemia in pig hearts *in vivo*. FASEB J. 17: 1355-1357.
4. Semino, C.E., et al. 2003. Functional differentiation of hepatocyte-like spheroid structures from putative liver progenitor cells in three-dimensional peptide scaffolds. Differentiation 71: 262-270.
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6. Chen, J., et al. 2005. Functional significance of type 1 Insulin-like growth factor-mediated nuclear translocation of the Insulin receptor substrate-1 and β-Catenin. J. Biol. Chem. 33: 29912-29920.
7. Kuver, R., et al. 2007. Murine gallbladder epithelial cells can differentiate into hepatocyte-like cells *in vitro*. Am. J. Physiol. Gastrointest. Liver Physiol. 293: G944-G955.
8. Lv, Y., et al. 2010. CCK mediated the inhibitory effect of oxytocin on the contraction of longitudinal muscle strips of duodenum in male rats. Pflugers Arch. 460: 1063-1071.
9. Dmitrieff, E.F., et al. 2011. Chronic hyperoxia alters the expression of neurotrophic factors in the carotid body of neonatal rats. Respir. Physiol. Neurobiol. 175: 220-227.
10. Jing, H., et al. 2011. Nitric oxide in enteric nervous system mediated the inhibitory effect of vasopressin on the contraction of circular muscle strips from colon in male rats. Neurogastroenterol. Motil. 23: e125-e135.