SANTA CRUZ BIOTECHNOLOGY, INC.

goat anti-mouse IgG-TR: sc-2781

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

goat anti-mouse IgG-TR is a pre-adsorbed, affinity purified secondary antibody raised in goat against mouse IgG and conjugated to Texas Red®.

PRODUCT

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

APPLICATIONS

goat anti-mouse IgG-TR 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

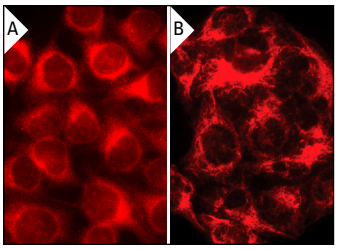
RESEARCH USE

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



goat anti-mouse IgG-TR: sc-2781. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization (**A**,**B**). Antibodies tested: Stat2 (C-20): sc-476 (**A**) and acetylated α Tubulin (6-11B-1): sc-23950 (**B**).

SELECT PRODUCT CITATIONS

1. Xue, L., et al. 2003. Wild-type p53 regulates human ribonucleotide reductase by protein-protein interaction with p53R2 as well as hRRM2 subunits. Cancer Res. 63: 980-986.
2. Viola, S., et al. 2010. Modulation of C6 glioma cell proliferation by Ureido-Calix[8]arenes. Pharmacology 86: 182-188.
3. Merlo, S., et al. 2011. Distinct effects of pramipexole on the proliferation of adult mouse sub-ventricular zone-derived cells and the appearance of a neuronal phenotype. Neuropharmacology 60: 892-900.
4. Xu, J., et al. 2011. Ileal immune dysregulation in necrotizing enterocolitis: role of CD40/CD40L in the pathogenesis of disease. J. Pediatr. Gastroenterol. Nutr. 52: 140-146.
5. Adas, G., et al. 2011. Mesenchymal stem cells improve the healing of ischemic colonic anastomoses (experimental study). Langenbecks Arch. Surg. 396: 115-126.
6. Heo, S.H., et al. 2011. Plaque rupture is a determinant of vascular events in carotid artery atherosclerotic disease: involvement of matrix metalloproteinases 2 and 9. J. Clin. Neurol. 7: 69-76.
7. Paz, A.C., et al. 2011. Tools for micropatterning epithelial cells into microcolonies on transwell filter substrates. Lab Chip 11: 3440-3448.
8. Nie, C., et al. 2011. Locally administered adipose-derived stem cells accelerate wound healing through differentiation and vasculogenesis. Cell Transplant. 20: 205-216.
9. Huang, Y., et al. 2011. PML-RARα enhances constitutive autophagic activity through inhibiting the Akt/mTOR pathway. Autophagy 7: 1132-1144.
10. Karaoz, E., et al. 2012. Reduction of lesion in injured rat spinal cord and partial functional recovery of motility after bone marrow derived mesenchymal stem cell transplantation. Turk. Neurosurg. 22: 207-217.