

goat anti-rabbit IgG-B: sc-2040

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-rabbit IgG-B is a pre-adsorbed, affinity purified secondary antibody raised in goat against rabbit IgG and conjugated to biotin.

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

goat anti-rabbit IgG-B 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
- 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.

SELECT PRODUCT CITATIONS

1. Cai, J., et al. 1999. Inhibition of the expression of VE-cadherin/catenin complex by γ linolenic acid in human vascular endothelial cells, and its impact on angiogenesis. *Biochem. Biophys. Res. Commun.* 258: 113-118.
2. Carlotti, F., et al. 1999. Activation of nuclear factor κ B in single living cells. Dependence of nuclear translocation and anti-apoptotic function on EGFPRELA concentration. *J. Biol. Chem.* 274: 37941-37949.
3. Penna, G., et al. 2006. Treatment of experimental autoimmune prostatitis in nonobese diabetic mice by the vitamin D receptor agonist elocalcitol. *J. Immunol.* 177: 8504-8511.
4. Larder, R., et al. 2006. Fanconi anemia A is a nucleocytoplasmic shuttling molecule required for gonadotropin-releasing hormone (GnRH) transduction of the GnRH receptor. *Endocrinology* 147: 5676-5689.
5. Li, Q.X., et al. 2006. Survivin stable knockdown by siRNA inhibits tumor cell growth and angiogenesis in breast and cervical cancers. *Cancer Biol. Ther.* 5: 860-866.
6. Lam, N.P., et al. 2007. Age-dependent increase of discoidin domain receptor 2 and matrix metalloproteinase 13 expression in temporomandibular joint cartilage of type IX and type XI collagen-deficient mice. *Arch. Oral Biol.* 52: 579-584.
7. Canal, C.E., et al. 2007. Amnesia produced by altered release of neurotransmitters after intraamygdala injections of a protein synthesis inhibitor. *Proc. Natl. Acad. Sci. USA* 104: 12500-12505.
8. Chisari, M., et al. 2009. Long-term incubation with β -amyloid peptides impairs endothelium-dependent vasodilatation in isolated rat basilar artery. *Pharmacol. Res.* 61: 157-161.
9. Girasol, A., et al. 2009. Fyn mediates leptin actions in the thymus of rodents. *PLoS ONE* 4: e7707.
10. Yamazaki, J., et al. 2009. Identification of cancer stem cells in a Tax-transgenic (Tax-Tg) mouse model of adult T-cell leukemia/lymphoma. *Blood* 114: 2709-2720.
11. Zhong, S.C., et al. 2010. Expression and subcellular location of α -synuclein during mouse-embryonic development. *Cell. Mol. Neurobiol.* 30: 469-482.
12. Kojundzic, S.L., et al. 2010. Depression of Ca^{2+} /calmodulin-dependent protein kinase II in dorsal root ganglion neurons after spinal nerve ligation. *J. Comp. Neurol.* 518: 64-74.
13. Sinclair, D.C., et al. 2011. Leiomyoma simultaneously impair endometrial BMP-2-mediated decidualization and anticoagulant expression through secretion of TGF- β 3. *J. Clin. Endocrinol. Metab.* 96: 412-421.
14. Fischer, G., et al. 2011. Direct injection into the dorsal root ganglion: technical, behavioral, and histological observations. *J. Neurosci. Methods* 199: 43-55.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

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