

rabbit anti-goat IgG-B: sc-2774

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 isothiocyanate), 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

rabbit anti-goat IgG-B is a pre-adsorbed, affinity purified secondary antibody raised in rabbit against goat 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

rabbit anti-goat IgG-B 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

SELECT PRODUCT CITATIONS

1. Pierer, M., et al. 2004. Chemokine secretion of rheumatoid arthritis synovial fibroblasts stimulated by Toll-like receptor 2 ligands. *J. Immunol.* 172: 1256-1265.
2. Ouellet, V., et al. 2006. Tissue array analysis of expression microarray candidates identifies markers associated with tumor grade and outcome in serous epithelial ovarian cancer. *Int. J. Cancer* 119: 599-607.
3. Ouellet, V., et al. 2006. SET complex in serous epithelial ovarian cancer. *Int. J. Cancer* 119: 2119-2126.
4. Pierer, M., et al. 2007. The TNF superfamily member LIGHT contributes to survival and activation of synovial fibroblasts in rheumatoid arthritis. *Rheumatology* 46: 1063-1070.
5. Dominguez, B., et al. 2007. Ghrelin and GHRP-6 enhance electrical and secretory activity in GC somatotropes. *Biochem. Biophys. Res. Commun.* 358: 59-65.
6. Ouellet, V., et al. 2007. An apoptotic molecular network identified by microarray: on the TRAIL to new insights in epithelial ovarian cancer. *Cancer* 110: 297-308.
7. Ouellet, V., et al. 2008. Immunohistochemical profiling of benign, low malignant potential and low grade serous epithelial ovarian tumors. *BMC Cancer* 8: 346.
8. Merino, J., et al. 2009. Splanchnic-brain crosstalk mediated by chemokines in portal hypertensive rats. *Int. J. Gastroenterol.* 7: 2.
9. Jung, T.G., et al. 2010. Involvement of intracellular calcium on the phosphorylation of spinal N-methyl-D-aspartate receptor following electroacupuncture stimulation in rats. *Acta Histochem.* 112: 127-132.
10. Zerani, M., et al. 2010. Expression of type I GNRH receptor and *in vivo* and *in vitro* GNRH-I effects in corpora lutea of pseudopregnant rabbits. *J. Endocrinol.* 207: 289-300.
11. Madore, J., et al. 2010. Characterization of the molecular differences between ovarian endometrioid carcinoma and ovarian serous carcinoma. *J. Pathol.* 220: 392-400.
12. Srabovic, N., et al. 2011. Interleukin 18 expression in the primary breast cancer tumour tissue. *Med. Glas.* 8: 109-115.
13. Claudino, M., et al. 2012. Spontaneous periodontitis development in diabetic rats involves an unrestricted expression of inflammatory cytokines and tissue destructive factors in the absence of major changes in commensal oral microbiota. *Exp. Diabetes Res.* 2012: 356841.

STORAGE

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

RESEARCH USE

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

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