

mouse anti-goat IgG-B: sc-2489

BACKGROUND

Santa Cruz Biotechnology's high quality, well characterized monoclonal secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications, including Western blotting, immunostaining and flow cytometry. Santa Cruz secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG₁, IgG_{2a}, IgG_{2b}, IgG₃ and IgG₄. Monoclonal secondary antibodies are available conjugated to HRP for Western blotting (WB) and immunohistochemistry (IHC); (CM) or Cruz Marker form of HRP conjugated secondary antibodies are suitable for use with our Cruz Marker™ molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red®), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor™ (488, 555 and 594) for immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM); B (biotin) for immunohistochemistry (IHC); AP (alkaline phosphatase) for Western blotting (WB); and CruzFluor® 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

SOURCE

mouse anti-goat IgG-B is an affinity purified secondary antibody raised in mouse against goat IgG and conjugated to biotin (B).

PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 1% stabilizer protein and 0.02% sodium azide.

APPLICATIONS

mouse anti-goat IgG-B is recommended for detection of goat IgG by immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400). Optimal dilution to be determined by titration.

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz® Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- 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
- 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
- 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

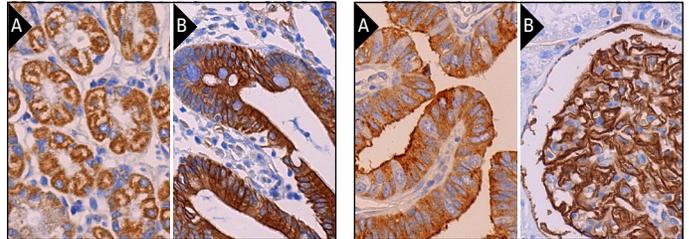
STORAGE

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.

DATA



AIF (N-19): sc-9417. Immunoperoxidase staining of formalin fixed, paraffin-embedded human lower stomach tissue showing cytoplasmic staining of glandular cells (A). Cytokeratin 20 (G-20): sc-17113. Immunoperoxidase staining of formalin fixed, paraffin-embedded human small intestine tissue showing cytoplasmic and membrane staining of glandular cells (B). Detection reagent used: mouse anti-goat IgG-B: sc-2489.

Oviductin (N-20): sc-46432. Immunoperoxidase staining of formalin fixed, paraffin-embedded human fallopian tube tissue showing cytoplasmic staining of glandular cells (A). Podocalyxin-like 1 (K-19): sc-10503. Immunoperoxidase staining of formalin fixed, paraffin-embedded human kidney tissue showing membrane staining of cells in glomeruli (B). Detection reagent used: mouse anti-goat IgG-B: sc-2489.

SELECT PRODUCT CITATIONS

- Ren, Y., et al. 2009. Genetic variation of promoter sequence modulates XBP1 expression and genetic risk for vitiligo. *PLoS Genet.* 5: e1000523.
- Qin, W., et al. 2012. Melatonin inhibits IL1β-induced MMP9 expression and activity in human umbilical vein endothelial cells by suppressing NFκB activation. *J. Endocrinol.* 214: 145-153.
- Xu, X., et al. 2012. Cardioprotective effect of sodium ferulate in diabetic rats. *Int J Med Sci.* 9: 291-300.
- Wang, S., et al. 2015. Indian hedgehog contributes to human cartilage endplate degeneration. *Eur Spine J.* 24: 1720-1728.
- Li, A., et al. 2015. Secreted protein acidic and rich in cysteine antagonizes bufalin-induced apoptosis in gastric cancer cells. *Mol. Med. Rep.* 12: 2926-2932.
- Zheng, D., et al. 2015. Dysregulation of the PI3K/Akt signaling pathway affects cell cycle and apoptosis of side population cells in nasopharyngeal carcinoma. *Oncol Lett.* 10: 182-188.
- Andrés-Blasco, I., et al. 2015. Hepatic lipase deficiency produces glucose intolerance, inflammation and hepatic steatosis. *J. Endocrinol.* 227: 179-191.
- Ge, S., et al. 2016. Dynamic changes in the gene expression profile during rat oral carcinogenesis induced by 4-nitroquinoline 1-oxide. *Mol. Med. Rep.* 13: 2561-2569.
- Wu, L., et al. 2016. Donepezil delays photoreceptor apoptosis induced by N-methyl-N-nitrosourea in mice. *Exp. Ther. Med.* 11: 2446-2454.
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