

# 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 IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. 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

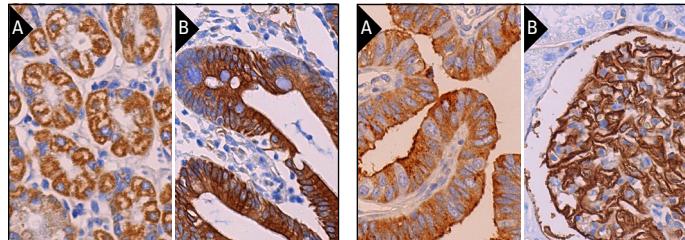
## STORAGE

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

1. Ren, Y., et al. 2009. Genetic variation of promoter sequence modulates XBP1 expression and genetic risk for vitiligo. PLoS Genet. 5: e1000523.
2. 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.
3. Xu, X., et al. 2012. Cardioprotective effect of sodium ferulate in diabetic rats. Int J Med Sci. 9: 291-300.
4. Wang, S., et al. 2015. Indian hedgehog contributes to human cartilage endplate degeneration. Eur Spine J. 24: 1720-1728.
5. 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.
6. 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.
7. Andrés-Blasco, I., et al. 2015. Hepatic lipase deficiency produces glucose intolerance, inflammation and hepatic steatosis. J. Endocrinol. 227: 179-191.
8. 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.
9. Wu, L., et al. 2016. Donepezil delays photoreceptor apoptosis induced by N-methyl-N-nitrosourea in mice. Exp. Ther. Med. 11: 2446-2454.
10. Liu, J.Y., et al. 2016. MicroRNA-153 inhibits the proliferation and invasion of human laryngeal squamous cell carcinoma by targeting KLF5. Exp. Ther. Med. 11: 2503-2508.

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