

goat anti-mouse IgG-B: sc-2039

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

PRODUCT

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

APPLICATIONS

goat anti-mouse IgG-B 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

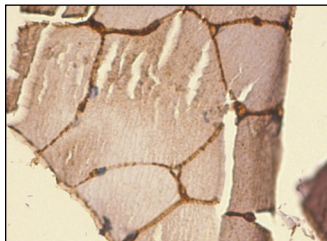
RESEARCH USE

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-B: sc-2039. Immunoperoxidase staining of formalin fixed, paraffin-embedded mouse skeletal muscle tissue showing membrane localization. Antibody tested: caveolin-3 (A-3): sc-5310.

SELECT PRODUCT CITATIONS

1. Tanaka, N., et al. 2001. pRb2/p130 protein expression is correlated with clinicopathologic findings in patients with oral squamous cell carcinoma. *Cancer* 92: 2117-2125.
2. Tanaka, N., et al. 2003. Expression of E-cadherin, α -catenin, and β -catenin in the process of lymph node metastasis in oral squamous cell carcinoma. *Br. J. Cancer* 89: 557-563.
3. Davies, C.A., et al. 2006. Expression of osteonectin and matrix Gla protein in scleroderma patients with and without calcinosis. *Rheumatology* 45: 1349-1355.
4. Davies, C.A., et al. 2006. The differential expression of VEGF, VEGFR-2, and GLUT-1 proteins in disease subtypes of systemic sclerosis. *Hum. Pathol.* 37: 190-197.
5. Reynolds, J.L., et al. 2007. Proteomic analyses of methamphetamine (METH)-induced differential protein expression by immature dendritic cells (IDC). *Biochim. Biophys. Acta* 1774: 433-442.
6. Suárez, R., et al. 2009. Heterogeneities of size and sexual dimorphism between the subdomains of the lateral-innervated accessory olfactory bulb (AOB) of *Octodon degus* (*Rodentia: Hystricognathi*). *Behav. Brain Res.* 198: 306-312.
7. Suárez, R., et al. 2009. Transposition and Intermingling of $G_{\alpha_{i-2}}$ and G_{α_o} afferences into single vomeronasal glomeruli in the Madagascar lesser *Tenrec Echinops telfairi*. *PLoS ONE* 4: e8005.
8. Girasol, A., et al. 2009. Fyn mediates leptin actions in the thymus of rodents. *PLoS ONE* 4: e7707.
9. Zhong, S.C., et al. 2010. Expression and subcellular location of α -synuclein during mouse-embryonic development. *Cell. Mol. Neurobiol.* 30: 469-482.
10. 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.

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