

goat anti-rabbit IgG-PE: sc-3739

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

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

PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with mouse and human IgG) in 0.5 ml of PBS containing 0.1% gelatin and 0.1% sodium azide.

APPLICATIONS

goat anti-rabbit IgG-PE is recommended for detection of rabbit IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400) and flow cytometry of immunoglobulin-rich tissues and cells.

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 Permout, 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

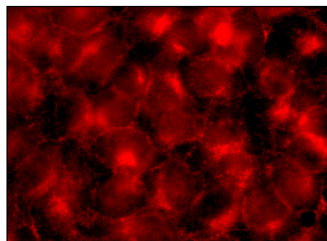
C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

- 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

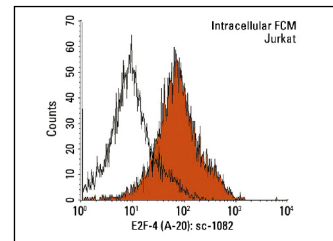
STORAGE

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

DATA



goat anti-rabbit IgG-PE: sc-3739. Immunofluorescence staining of methanol-fixed HeLa cells showing membrane localization. Antibody tested: FAM109A (C-14): sc-136676.



goat anti-rabbit IgG-PE: sc-3739. Indirect, intracellular FCM analysis of fixed and permeabilized Jurkat cells stained with E2F-4 (A-20), followed by PE-conjugated goat anti-rabbit IgG: sc-3739. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888. Antibody tested: E2F-4 (A-20): sc-1082.

SELECT PRODUCT CITATIONS

- Pillai, J.B., et al. 2005. Poly(ADP-ribose) polymerase-1-dependent cardiac myocyte cell death during heart failure is mediated by NAD⁺ depletion and reduced Sir2α deacetylase activity. *J. Biol. Chem.* 240: 43121-43130.
- Paintlia, A.S., et al. 2006. IL-4-induced peroxisome proliferator-activated receptor γ activation inhibits NFκB trans activation in central nervous system (CNS) glial cells and protects oligodendrocyte progenitors under neuroinflammatory disease conditions: implication for CNS-demyelinating diseases. *J. Immunol.* 176: 4385-4398.
- Bettini, M.L., et al. 2007. MAP kinase phosphatase activity sets the threshold for thymocyte positive selection. *Proc. Natl. Acad. Sci. USA* 104: 16257-16262.
- Kato, S., et al. 2010. Effect of erythropoietin on angiogenesis with the increased adhesion of platelets to the microvessels in the hind-limb ischemia model in mice. *J. Pharmacol. Sci.* 112: 167-175.
- Qu, X., et al. 2012. Induced pluripotent stem cells generated from human adipose-derived stem cells using a non-viral polycistronic plasmid in feeder-free conditions. *PLoS ONE* 7: e48161.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.