

donkey anti-rabbit IgG-PE: sc-3745

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

donkey anti-rabbit IgG-PE is a pre-adsorbed, affinity purified secondary antibody raised in donkey against rabbit IgG and conjugated to PE (phycoerythrin).

PRODUCT

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

APPLICATIONS

donkey anti-rabbit IgG-PE is recommended for detection of rabbit IgG by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400), immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400) and flow cytometry (0.5-1 µg per 1 x 10⁶ 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 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

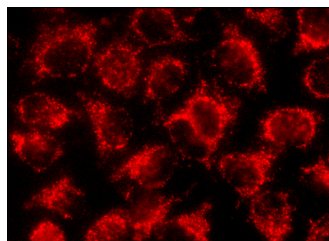
RESEARCH USE

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

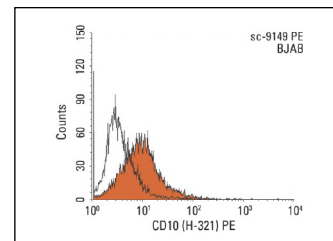
STORAGE

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

DATA



donkey anti-rabbit IgG-PE: sc-3745. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization. Antibody tested: p-Akt1 (Thr 308): sc-135650.



donkey anti-rabbit IgG-PE: sc-3745. Indirect FCM analysis of BJAB cells stained with CD10 (H-321), followed by PE-conjugated donkey anti-rabbit IgG: sc-3745. Black line histogram represents the isotype control, normal rabbit IgG: sc-3888. Antibody tested: CD10 (H-321): sc-9149.

SELECT PRODUCT CITATIONS

- Pang, L., et al. 2001. Reduction of inflammatory response in the mouse brain with adenoviral-mediated transforming growth factor-ss1 expression. *Stroke* 32: 544-552.
- Blais, A., et al. 2003. Threonine deprivation rapidly activates the system A amino acid transporter in primary cultures of rat neurons from the essential amino acid sensor in the anterior piriform cortex. *J. Nutr.* 133: 2156-2164.
- Dohare, P., et al. 2008. Curcuma oil modulates the nitric oxide system response to cerebral ischemia/reperfusion injury. *Nitric Oxide* 19: 1-11.
- Brahma, M.K., et al. 2009. The neuronal apoptotic death in global cerebral ischemia in gerbil: important role for sodium channel modulator. *J. Neurosci. Res.* 87: 1400-1411.

PROTOCOLS

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

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