

goat anti-rabbit IgG, F(ab')₂-TR: sc-3842

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 such as the Fc or F(ab')₂ regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')₂ specific secondary antibodies for immunohistochemistry and flow cytometry that are non-conjugated or labeled with either AP (alkaline phosphatase), fluorescein, biotin, FITC (fluorescein isothiocyanate), Texas Red[®], TRITC (tetra-methyl rhodamine isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin with cyanin-5), PE-Cy7 (phycoerythrin with cyanin-7), APC (allophycocyanin), APC-Cy7 and (allophycocyanin with cyanin-7). F(ab')₂ secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat, and are recommended for reducing non-specific secondary antibody binding to Fc receptors on the cell surface.

SOURCE

goat anti-rabbit IgG, F(ab')₂-TR is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in goat against rabbit IgG and conjugated to Texas Red[®].

PRODUCT

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

APPLICATIONS

goat anti-rabbit IgG, F(ab')₂-TR is recommended for detection of rabbit 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 for use when trying to avoid non-specific secondary antibody binding to Fc receptors on cell surfaces.

RECOMMENDED SUPPORT PRODUCTS

- CrystalCruz[™] Cover Glasses, 22 x 50 mm: sc-24975
- CrystalCruz[™] Micro Slides 75 x 25 mm; frosted sides: sc-24976
- PBS, powder: sc-24947
- Formaldehyde: sc-203049
- Hydrogen Peroxide: sc-203336
- Organo/Limonene Mount: sc-45087
- UltraCruz[™] Mounting Medium: sc-24941
- ImmunoHistoMount: sc-45086
- Immuno In Situ Mount: sc-45088
- Hematoxylin: sc-24973
- EDTA: sc-29092

RESEARCH USE

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

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

SELECT PRODUCT CITATIONS

1. Debeb, B.G., et al. 2009. Isolation of Oct4-expressing extraembryonic endoderm precursor cell lines. PLoS ONE 4: e7216.
2. Yang, H., et al. 2010. Epidermal growth factor receptor transactivation by the cannabinoid receptor (CB1) and transient receptor potential vanilloid 1 (TRPV1) induces differential responses in corneal epithelial cells. Exp. Eye Res. 91: 462-471.
3. Carloni, S., et al. 2010. Activation of autophagy and Akt/CREB signaling play an equivalent role in the neuroprotective effect of rapamycin in neonatal hypoxia-ischemia. Autophagy 6: 366-377.

STORAGE

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

PROTOCOLS

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