

goat anti-rabbit IgG, F(ab')₂-HRP: sc-3837

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-HRP is an affinity purified pre-adsorbed, F(ab')₂ fragment secondary antibody raised in goat against rabbit IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with human IgG) in 0.5 ml of 1X PBS containing 40% glycerol.

APPLICATIONS

goat anti-rabbit IgG, F(ab')₂-HRP is recommended for detection of rabbit IgG by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000) 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, 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
- 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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

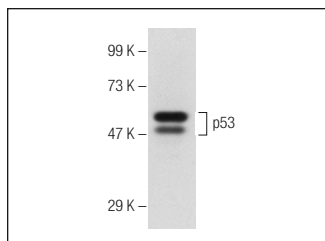
STORAGE

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



goat anti-rabbit IgG, F(ab')₂-HRP: sc-3837. Western blot analysis of p53 expression in Lac-Z whole cell lysate. Antibody tested: p53 (FL-393): sc-6243.

SELECT PRODUCT CITATIONS

1. Buettner, C., et al. 2005. Severe impairment in liver insulin signaling fails to alter hepatic insulin action in conscious mice. *J. Clin. Invest.* 115: 1306-1313.
2. Sunnotel, O., et al. 2010. Alterations in the steroid hormone receptor co-chaperone FKBP1 are associated with male infertility: a case-control study. *Reprod. Biol. Endocrinol.* 8: 22.
3. Mondal, N.K., et al. 2010. Micronucleus formation, DNA damage and repair in premenopausal women chronically exposed to high level of indoor air pollution from biomass fuel use in rural India. *Mutat. Res.* 697: 47-54.
4. Sant'ana, E.M., et al. 2011. Rat skin wound healing induced by alternatin-C, a disintegrin-like, Cys-rich protein from *Bothrops alternatus* venom. *Int. Wound J.* 8: 245-252.
5. Pavone, L.M., et al. 2011. Intracellular signaling cascades triggered by the NK1 fragment of hepatocyte growth factor in human prostate epithelial cell line PNT1A. *Cell. Signal.* 23: 1961-1971.
6. Yousaf, M.N., et al. 2012. Cardiac pathological changes of Atlantic salmon (*Salmo salar L.*) affected with heart and skeletal muscle inflammation (HSMI). *Fish Shellfish Immunol.* 33: 305-315.
7. Masood, R., et al. 2012. Gold nanorod-sphingosine kinase siRNA nanocomplexes: a novel therapeutic tool for potent radiosensitization of head and neck cancer. *Integr. Biol.* 4: 132-141.
8. Wang, L., et al. 2012. Quercetin, a flavonoid with anti-inflammatory activity, suppresses the development of abdominal aortic aneurysms in mice. *Eur. J. Pharmacol.* 690: 133-141.
9. Yousaf, M.N., et al. 2013. Comparative cardiac pathological changes of Atlantic salmon (*Salmo salar L.*) affected with heart and skeletal muscle inflammation (HSMI), cardiomyopathy syndrome (CMS) and pancreas disease (PD). *Vet. Immunol. Immunopathol.* 151: 49-62.
10. Zhao, A., et al. 2013. Transiently transfected purine biosynthetic enzymes form stress bodies. *PLoS ONE* 8: e56203.

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