

# goat anti-rabbit IgG, F(ab')<sub>2</sub>-AP: sc-3838

## 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')<sub>2</sub> regions. Santa Cruz Biotechnology offers an extensive selection of F(ab')<sub>2</sub> 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')<sub>2</sub> 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')<sub>2</sub>-AP is an affinity purified pre-adsorbed, F(ab')<sub>2</sub> fragment secondary antibody raised in goat against rabbit IgG and conjugated to AP (alkaline phosphatase).

## PRODUCT

Each vial contains 200 µg goat IgG (pre-adsorbed with human IgG) in 0.5 ml of PBS containing 50% glycerol, 1 mM zinc chloride, 0.02% sodium azide and 1 mM magnesium chloride.

## APPLICATIONS

goat anti-rabbit IgG, F(ab')<sub>2</sub>-AP 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 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
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973
- EDTA, Disodium Salt, Dihydrate, chelating agent, 500 g: sc-29092

## RESEARCH USE

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

## SELECT PRODUCT CITATIONS

1. Pluznick, J.L., et al. 2005. BK-β1 subunit: immunolocalization in the mammalian connecting tubule and its role in the kaliuretic response to volume expansion. *Am. J. Physiol. Renal Physiol.* 288: F846-F854.
2. Pontes, H., et al. 2008. Chronic exposure to ethanol exacerbates MDMA-induced hyperthermia and exposes liver to severe MDMA-induced toxicity in CD1 mice. *Toxicology* 252: 64-71.
3. Dinis-Oliveira, R.J., et al. 2009. Postmortem analyses unveil the poor efficacy of decontamination, anti-inflammatory and immunosuppressive therapies in paraquat human intoxications. *PLoS ONE* 4: e7149.
4. Blomberg Jensen, M., et al. 2010. Expression of the vitamin D receptor, 25-hydroxylases, 1α-hydroxylase and 24-hydroxylase in the human kidney and renal clear cell cancer. *J. Steroid Biochem. Mol. Biol.* 121: 376-382.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

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