



# donkey anti-goat IgG-AP: sc-2037

## 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. We offer Cruz Marker™ compatible secondary antibodies, which are used in conjunction with Santa Cruz Biotechnology's Cruz Marker™ molecular weight standards. Cruz Marker™ compatible secondary antibodies recognize an epitope common to each of the Cruz Marker™ molecular weight standards and are provided as horseradish peroxidase (HRP) and alkaline phosphatase (AP) conjugated secondary antibodies for detection of mouse, goat, rabbit and rat primary antibodies. Pre-adsorbed HRP and AP conjugated Cruz Marker™ compatible secondary antibodies are also available and are recommended for use with immunoglobulin-rich samples.

## SOURCE

donkey anti-goat IgG-AP is a CruzMarker™ compatible, affinity purified secondary antibody raised in donkey against goat IgG and conjugated to AP (alkaline phosphatase).

## PRODUCT

Each vial contains 200 µg IgG in 0.5 ml of PBS containing 50% glycerol, 1 mM zinc chloride, 0.02% sodium azide and 1 mM magnesium chloride.

## APPLICATIONS

donkey anti-goat IgG-AP is recommended for detection of goat IgG by Western Blotting (starting dilution: 1:5000, dilution range 1:5000-1:10000; optimal dilution to be determined by titration).

## RECOMMENDED SUPPORT PRODUCTS

- UltraCruz™ Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- UltraCruz™ Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- UltraCruz™ PVDF Transfer membrane, 0.45 µm, 30 cm x 3 m roll: sc-3723
- UltraCruz™ Nitrocellulose Pure Transfer Membrane, 0.22 µm, 30 cm x 3 m roll: sc-3718
- Cruz Blot-A: sc-3901 (Western blotting membrane with human cell line extracts from 10 different cell types)
- Running Buffer, 10X, 1 L, TRIS-Glycine WB running buffer, pH 8.3: sc-24949
- Towbin, with SDS, 10X, 1 L, WB transfer buffer pH 8.3: sc-24954
- Bovine Serum Albumin (BSA), 100 g, blocking/incubation agent: sc-2323
- TBS Blotto A, lyophilized powder in single-use bottle: sc-2333
- Western Blotting Luminol Reagent, for 2,000 cm<sup>2</sup> membrane area: sc-2048
- UltraCruz™ Electrophoresis Cell: sc-201625 : runs up to 10 or 15 sample by SDS – PAGE protein electrophoresis
- UltraCruz™ Autoradiography Film, Blue, 8 x 1, 100 sheets: sc-201697
- Cruz Marker™ Molecular Weight Standards, for 50 gels: sc-2035

## SELECT PRODUCT CITATIONS

1. Nguyen, D.K., et al. 2003. Th1 cytokines regulate adenosine receptors and their downstream signaling elements in human microvascular endothelial cells. *J. Immunol.* 171: 3991-3998.
2. Song, X., et al. 2005. Latent membrane protein 1 encoded by Epstein-Barr virus modulates directly and synchronously cyclin D1 and p16 by newly forming a c-Jun/Jun B heterodimer in nasopharyngeal carcinoma cell line. *Virus Res.* 113: 89-99.
3. Sándor, Z., et al. 2005. Construction of a stable cell line uniformly expressing the rat TRPV1 receptor. *Cell. Mol. Biol. Lett.* 10: 499-514.
4. Di Girolamo, N., et al. 2009. A contact lens-based technique for expansion and transplantation of autologous epithelial progenitors for ocular surface reconstruction. *Transplantation* 87: 1571-1578.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.