

mouse anti-rabbit IgG-AP: sc-2358

BACKGROUND

Santa Cruz Biotechnology's high quality, well characterized monoclonal secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications, including Western blotting, immunostaining and flow cytometry. Santa Cruz secondary antibodies are commonly affinity purified against immobilized whole IgG isotypes, including IgG₁, IgG_{2a}, IgG_{2b}, IgG₃ and IgG₄. Monoclonal secondary antibodies are available conjugated to HRP for Western blotting (WB) and immunohistochemistry (IHC); (CM) or Cruz Marker form of HRP conjugated secondary antibodies are suitable for use with our Cruz Marker™ molecular weight standards; FITC (fluorescein isothiocyanate), PE (phycoerythrin), R (TRITC: tetramethyl rhodamine isothiocyanate), TR (Texas Red®), PerCP (peridinin chlorophyll protein complex), PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5), and CruzFluor™ (488, 555 and 594) for immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM); B (biotin) for immunohistochemistry (IHC); AP (alkaline phosphatase) for Western blotting (WB); and CruzFluor® 680 and 790 for near-infrared (NIR) Western blotting (WB), immunofluorescence (IF), immunohistochemistry (IHC) and flow cytometry (FCM).

SOURCE

mouse anti-rabbit IgG-AP is an affinity purified secondary antibody raised in mouse against rabbit IgG and conjugated to AP (alkaline phosphatase).

PRODUCT

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

APPLICATIONS

mouse anti-rabbit IgG-AP is recommended for detection of rabbit IgG by Western Blotting (starting dilution: 1:5000, dilution range: 1:5000-1:10000). Optimal dilution to be determined by titration.

RECOMMENDED SUPPORT PRODUCTS

- Western Blotting Luminol Reagent, for 2,000 cm² membrane area: sc-2048
- RIPA Lysis Buffer, 50 ml, cell lysis buffer with protease inhibitors: sc-24948
- Electrophoresis Sample Buffer, 2X, 25 ml, reducing buffer: sc-24945
- Complete™ Protease Inhibitor Cocktail Tablet, 20 tablets: sc-29130
- 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
- TBS Blotto A, lyophilized powder in single-use bottle: sc-2333
- 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
- UltraCruz® Tissue Culture Dish, 100 mm polystyrene dish: sc-200286
- 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
- UltraCruz® Gel Incubation Trays, 100 per pack: sc-201755 (blue), sc-201756 (green), sc-201757 (pink), sc-201758 (yellow), sc-201759 (orange)

STORAGE

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

SELECT PRODUCT CITATIONS

- Kang, D.H., et al. 2004. The impact of gender on progression of renal disease. *Am. J. Pathol.* 164: 679-688.
- Kang, D.H., et al. 2005. Uric acid-induced C-reactive protein expression: implication on cell proliferation and nitric oxide production of human vascular cells. *J. Am. Soc. Nephrol.* 16: 3553-3562.
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- Lumini-Oliveira, J., et al. 2011. Endurance training reverts heart mitochondrial dysfunction, permeability transition and apoptotic signaling in long-term severe hyperglycemia. *Mitochondrion* 11: 54-63.
- Pedras, M.S. and Minic, Z. 2012. Differential protein expression in response to the phytoalexin brassinin allows the identification of molecular targets in the phytopathogenic fungus *Alternaria brassicicola*. *Mol. Plant Pathol.* 13: 483-493.
- Prisila Dulcy, C., et al. 2012. Standardized extract of *Bacopa monniera* (BESEB CDRI-08) attenuates contextual associative learning deficits in the aging rat's brain induced by D-galactose. *J. Neurosci. Res.* 90: 2053-2064.
- Yadav, V.R., et al. 2013. Preclinical evaluation of 4-[3,5-bis(2-chlorobenzylidene)-4-oxo-piperidine-1-yl]-4-oxo-2-butenic acid, in a mouse model of lung cancer xenograft. *Br. J. Pharmacol.* 170: 1436-1448.
- Pan, D., et al. 2016. Enhanced expression of soluble human papillomavirus L1 through coexpression of molecular chaperonin in *Escherichia coli*. *Protein Expr. Purif.* 120: 92-8.
- Müller, H., et al. 2016. Elevated DMBT1 levels in neonatal gastrointestinal diseases. *Histochem. Cell Biol.* 145: 227-37.
- Mariappan, S., et al. 2016. Structure of distress call: implication for specificity and activation of dopaminergic system. *J. Comp. Physiol. A Neuroethol. Sens. Neural. Behav. Physiol.* 202: 55-65.

RESEARCH USE

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

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