

mouse anti-rabbit IgG-HRP: sc-2357

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-HRP is an affinity purified secondary antibody raised in mouse against rabbit IgG and conjugated to HRP (horseradish peroxidase).

PRODUCT

Each vial contains 200 µg mouse IgG in 0.5 ml of PBS containing 40% glycerol, 1% stabilizer protein and < 0.01% thimerosal.

APPLICATIONS

mouse anti-rabbit IgG-HRP is recommended for detection of rabbit IgG by Western Blotting (starting dilution: 1:1000, dilution range: 1:1000-1:10000) and immunohistochemical staining (starting dilution: 1:25, dilution range: 1:25-1:100). Optimal dilution to be determined by titration.

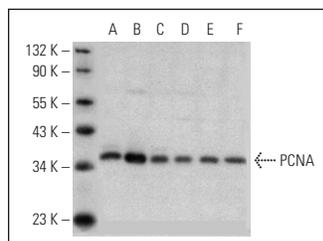
RECOMMENDED SUPPORT PRODUCTS

- 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
- 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[®] 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)

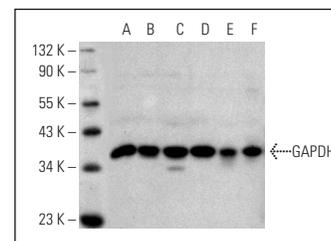
STORAGE

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

DATA



PCNA (FL-261): sc-7907. Western blot analysis of PCNA expression in A-431 (A), MOLT-4 (B), HeLa (C), Hep G2 (D), NIH/3T3 (E) and PC-12 (F) whole cell lysates. Detection reagent used: mouse anti-rabbit IgG-HRP (Cruz Marker): sc-2357-CM.



GAPDH (FL-335): sc-25778. Western blot analysis of GAPDH expression in HeLa (A), Hep G2 (B), A549 (C), JAR (D), NIH/3T3 (E) and KNRK (F) whole cell lysates. Detection reagent used: mouse anti-rabbit IgG-HRP (Cruz Marker): sc-2357-CM.

SELECT PRODUCT CITATIONS

- Liu, S. 2000. Interaction of MyoD family proteins with enhancers of acetylcholine receptor subunit genes *in vivo*. J. Biol. Chem. 275: 41364-41368.
- Shibata, H., et al. 2007. α -catenin is essential in intestinal adenoma formation. Proc. Natl. Acad. Sci. USA 104: 18199-18204.
- Waning, D.L., et al. 2008. Cul4A is required for hematopoietic cell viability and its deficiency leads to apoptosis. Blood 112: 320-329.
- Mascia, C., et al. 2010. Proinflammatory effect of cholesterol and its oxidation products on CaCo-2 human enterocyte-like cells: effective protection by epigallocatechin-3-gallate. Free Radic. Biol. Med. 49: 2049-2057.
- Nagel, J.M., et al. 2011. Dietary walnuts inhibit colorectal cancer growth in mice by suppressing angiogenesis. Nutrition 28: 67-75.
- Chen, J., et al. 2015. Low expression of phosphatase and tensin homolog in clear-cell renal cell carcinoma contributes to chemoresistance through activating the Akt/HDM2 signaling pathway. Mol. Med. Rep. 12: 2622-2628.
- Srivastava, K., et al. 2016. Expression of heat shock protein 70 gene and its correlation with inflammatory markers in essential hypertension. PLoS ONE 11: e0151060.
- Su, F., et al. 2016. A novel alternative splicing isoform of NF2 identified in human Schwann cells. Oncol. Lett. 12: 977-982.

RESEARCH USE

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

PROTOCOLS

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