

# rabbit anti-mouse IgG-HRP: sc-358914

## 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 isotypes, including IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub> and IgG<sub>4</sub>. Santa Cruz Biotechnology offers a wide selection of secondary antibodies, which are used in conjunction with our Cruz Marker™ molecular weight standards. We also provide specialized secondaries, such as pre-adsorbed secondary antibodies, which are pre-adsorbed with human IgG and mouse IgG for immunoglobulin-rich tissues and cells, F(ab')<sub>2</sub> fragment secondary antibodies that reduce non-specific secondary antibody binding to Fc receptors on the cell surface, and isotype-specific secondary antibodies against IgM, IgA and IgY.

## SOURCE

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

## PRODUCT

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

## APPLICATIONS

rabbit anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:5000, dilution range: 1:5000-1:10000) and ELISA (starting dilution: 1:500, dilution range: 1:250-1:1000). Optimal dilution to be determined by titration.

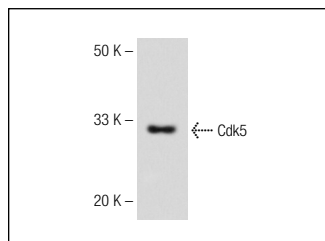
## RECOMMENDED SUPPORT PRODUCTS

- Western Blotting Luminol Reagent, for 2,000 cm<sup>2</sup> 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
- Bovine Serum Albumin (BSA), 100 g, blocking/incubation agent: sc-2323
- TBS Blotting 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® Cell Scrapers, 25 cm, sterile, 100 per case: sc-213229
- 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.

## DATA



rabbit anti-mouse IgG-HRP: sc-358914. Western blot analysis of Cdk5 expression in HeLa whole cell lysate. Antibody tested: Cdk5 (J-3): sc-6247.

## SELECT PRODUCT CITATIONS

1. Sabatini N., et al. 2004. PI-3-kinase/NF-κB mediated response of Jurkat T leukemic cells to two different chemotherapeutic drugs, etoposide and TRAIL. *J. Cell. Biochem.* 93: 301-311.
2. Lazar, C., et al. 2012. Activation of ERAD pathway by human hepatitis B virus modulates viral and subviral particle production. *PLoS ONE.* 7: e34169.
3. Benegiamo, G., et al. 2013. Mutual antagonism between circadian protein period 2 and hepatitis C virus replication in hepatocytes. *PLoS ONE.* 8: e60527.
4. Shao, D., et al. 2014. Celecoxib induces apoptosis via a mitochondria-dependent pathway in the H22 mouse hepatoma cell line. *Mol. Med. Rep.* 10: 2093-2098.
5. Liao, Y., et al. 2014. Apigenin induces the apoptosis and regulates MAPK signaling pathways in mouse macrophage ANA-1 cells. *PLoS one.* 9: e92007.
6. Xiang, A., et al. 2015. The hepatitis B virus (HBV) core protein enhances the transcription activation of CRE via the CRE/CREB/CBP pathway. *Antiviral Res.* 120: 7-15.
7. Madathan Kandy, S., et al. 2015. Overexpression and lack of copy number variation in the BMI-1 gene in human glioma. *Oncology Lett.* 10: 3318-3322.

## 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.

See **m-IgGκ BP-HRP** (mouse IgGκ binding protein-HRP): **sc-516102**, our highly recommended recombinant alternative to conventional secondary anti-mouse IgG HRP reagents.