

# goat anti-mouse IgG-HRP: sc-2031

## 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

goat anti-mouse IgG-HRP is a CruzMarker™ compatible, affinity purified secondary antibody raised in goat against mouse IgG and conjugated to HRP (horseradish peroxidase).

## PRODUCT

Each vial contains 200 µg IgG in 0.5 ml of 1X PBS containing 40% glycerol.

## APPLICATIONS

goat anti-mouse IgG-HRP is recommended for detection of mouse IgG by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000; starting dilution to be determined by titration).

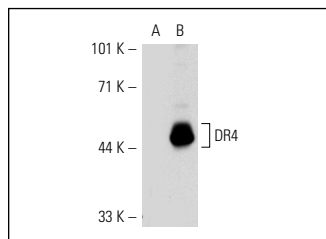
## RECOMMENDED SUPPORT PRODUCTS

- 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

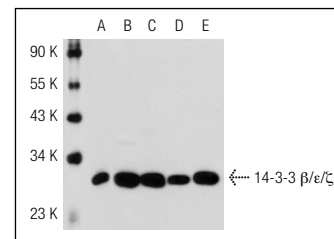
## STORAGE

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

## DATA



goat anti-mouse IgG-HRP: sc-2031. Western blot analysis of DR4 expression in non-transfected: sc-110760 (A) and human DR4 transfected: sc-112977 (B) 293 whole cell lysates. Antibody tested: DR4 (B-N28): sc-65312.



goat anti-mouse IgG-HRP: sc-2031. Western blot analysis of 14-3-3 β/ε/ζ expression in 293T (A), KNRK (B), SW480 (C), Caco-2 (D) and NIH/3T3 (E) whole cell lysates. Antibody tested: 14-3-3 β/ε/ζ (3C8): sc-59420.

## SELECT PRODUCT CITATIONS

1. Kirschnek, S., et al. 2000. CD95-mediated apoptosis *in vivo* involves acid sphingomyelinase. *J. Biol. Chem.* 275: 27316-27323.
2. Crawford, S.A., et al. 2010. Naturally occurring R225W mutation of the gene encoding AMP-activated protein kinase (AMPK)<sub>γ</sub>3 results in increased oxidative capacity and glucose uptake in human primary myotubes. *Diabetologia* 53: 1986-1997.
3. Suarez, A., et al. 2011. An extracellular matrix, calmodulin-binding protein from *Dictyostelium* with EGF-like repeats that enhance cell motility. *Cell. Signal.* 23: 1197-1206.
4. Lazzari, C., et al. 2011. Cellular prion protein is implicated in the regulation of local Ca<sup>2+</sup> movements in cerebellar granule neurons. *J. Neurochem.* 116: 881-890.
5. Yin, S.Y., et al. 2011. Interleukin-4 enhances trafficking and functional activities of GM-CSF-stimulated mouse myeloid-derived dendritic cells at late differentiation stage. *Exp. Cell Res.* 317: 2210-2221.
6. Ku, T.H., et al. 2011. Effect of honokiol on activity of GAD<sub>65</sub> and GAD<sub>67</sub> in the cortex and hippocampus of mice. *Phytomedicine* 18: 1126-1129.
7. Monroe-Augustus, M., et al. 2011. Matrix proteins are inefficiently imported into *Arabidopsis* peroxisomes lacking the receptor-docking peroxin PEX14. *Plant Mol. Biol.* 77: 1-15.
8. Jiao, H., et al. 2011. Human umbilical cord blood-derived mesenchymal stem cells inhibit C6 glioma via downregulation of cyclin D1. *Neurol. India* 59: 241-247.
9. Silva, S.L., et al. 2012. Neuritic growth impairment and cell death by unconjugated bilirubin is mediated by NO and glutamate, modulated by microglia, and prevented by glycooursodeoxycholic acid and interleukin-10. *Neuropharmacology* 62: 2398-2408.

## RESEARCH USE

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