

# goat anti-mouse IgM-HRP: sc-2064

## 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 horseradish peroxidase (HRP) and alkaline phosphatase (AP) conjugated isotype-specific secondary antibodies for detection of mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM and IgA in Western Blot and ELISA. Pre-adsorbed HRP and AP conjugated isotype-specific secondary antibodies are also available and are recommended for use with immunoglobulin-rich samples.

## SOURCE

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

## PRODUCT

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

## APPLICATIONS

goat anti-mouse IgM-HRP is recommended for detection of mouse IgM by Western Blotting (starting dilution: 1:2000, dilution range 1:2000-1:10000).

## 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-291300
- 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
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

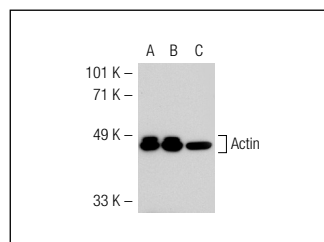
## STORAGE

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

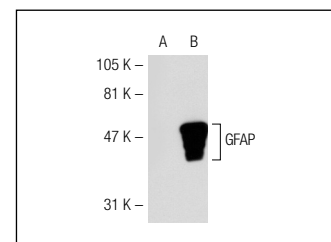
## RESEARCH USE

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

## DATA



goat anti-mouse IgM-HRP: sc-2064. Western blot analysis of  $\gamma$ -Actin expression in non-transfected 293T: sc-117752 (A), human  $\gamma$ -Actin transfected 293T: sc-116428 (B) and HeLa (C) whole cell lysates. Antibody tested: Actin (8.S2.1): sc-70319.



goat anti-mouse IgM-HRP: sc-2064. Western blot analysis of GFAP expression in non-transfected: sc-117752 (A) and human GFAP transfected: sc-115582 (B) 293T whole cell lysates. Antibody tested: GFAP (GF-02): sc-51601.

## SELECT PRODUCT CITATIONS

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- Li, H., et al. 2002. Identification of amino acid residues of gp130 signal transducer and gp80  $\alpha$  receptor subunit that are involved in ligand binding and signaling by human herpesvirus 8-encoded interleukin-6. *J. Virol.* 76: 5627-5636.
- Liu, H.M., et al. 2007. Effects of caveolin-1 on the 17 $\beta$ -estradiol-mediated inhibition of VSMC proliferation induced by vascular injury. *Life Sci.* 80: 800-812.
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- Frinchi, M., et al. 2010. FGF-2/FGFR1 neurotrophic system expression level and its basal activation do not account for the age-dependent decline of precursor cell proliferation in the subventricular zone of rat brain. *Brain Res.* 1358: 39-45.
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- Puig, K.L., et al. 2012. Amyloid precursor protein and proinflammatory changes are regulated in brain and adipose tissue in a murine model of high fat diet-induced obesity. *PLoS ONE* 7: e30378.