

# goat anti-mouse IgG<sub>2a</sub>-HRP: sc-2061

## 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 IgG<sub>2a</sub>-HRP is an affinity purified secondary antibody raised in goat against mouse IgG<sub>2a</sub> and conjugated to HRP (horseradish peroxidase).

## PRODUCT

Each vial contains 200 µg IgG<sub>2a</sub> in 0.5 ml of 1X PBS containing 40% glycerol.

## APPLICATIONS

goat anti-mouse IgG<sub>2a</sub>-HRP is recommended for detection of mouse IgG<sub>2a</sub> by Western Blotting (starting dilution: 1:1000, dilution range 1:1,000-1:10,000; optimal dilution to be determined by titration) and immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400).

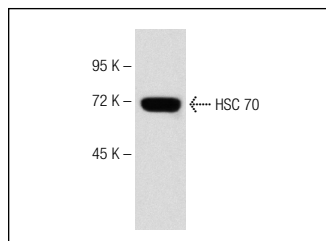
## RECOMMENDED SUPPORT PRODUCTS

- 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
- CrystalCruz™ Micro Slides 75 x 25 mm; frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- 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.

## DATA



goat anti-mouse IgG<sub>2a</sub>-HRP: sc-2061. Western blot analysis of HSC 70 expression in HeLa whole cell lysate. Antibody tested: HSC 70 (B-6): sc-7298.

## SELECT PRODUCT CITATIONS

1. Liedtke, C.M. 2002. Protein kinase C-dependent regulation of cystic fibrosis transmembrane regulator involves binding to a receptor for activated C kinase (RACK1) and RACK1 binding to Na<sup>+</sup>/H<sup>+</sup> exchange regulatory factor. *J. Biol. Chem.* 277: 22925-22933.
2. Nardi, M., et al. 2004. Complement-independent Ab-induced peroxide lysis of platelets requires 12-lipoxygenase and a platelet NADPH oxidase pathway. *J. Clin. Invest.* 113: 973-980.
3. Chan, L.L., et al. 2005. Reduced adiposity in bitter melon (*Momordica charantia*)-fed rats is associated with increased lipid oxidative enzyme activities and uncoupling protein expression. *J. Nutr.* 135: 2517-2523.
4. Martin, C.I., et al. 2005. The molecular regulation of exercised-induced muscle fibre hypertrophy in the common carp: expression of MyoD, PCNA and components of the calcineurin-signalling pathway. *Comp. Biochem. Physiol. B. Biochem. Mol. Biol.* 142: 324-334.
5. Beraza, N., et al. 2007. Hepatocyte-specific IKK γ/NEMO expression determines the degree of liver injury. *Gastroenterology* 132: 2504-2517.
6. Svensson, A., et al. 2008. Semaphorin 6C expression in innervated and denervated skeletal muscle. *J. Mol. Histol.* 39: 5-13.
7. Liu, H., et al. 2008. The FGL2-FcγRIIB pathway: a novel mechanism leading to immunosuppression. *Eur. J. Immunol.* 38: 3114-3126.
8. Thangavelu, G., et al. 2008. Fecal and urinary lignans, intrafollicular estradiol, and endometrial receptors in lactating dairy cows fed diets supplemented with hydrogenated animal fat, flaxseed or sunflower seed. *J. Reprod. Dev.* 54: 439-446.
9. Vidic, S., et al. 2010. MicroRNAs targeting mutant K-ras by electrotransfer inhibit human colorectal adenocarcinoma cell growth *in vitro* and *in vivo*. *Cancer Gene Ther.* 17: 409-419.

## RESEARCH USE

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