

normal goat IgG-AC: sc-2346

BACKGROUND

Santa Cruz Biotechnology offers a wide variety of control immunoglobulin and control sera for a large selection of species, including mouse, rabbit, goat, chicken, rat, hamster, canine, guinea pig and sheep. Control immunoglobulin and immunoglobulin conjugates are useful negative controls. Normal sera is offered to be used as blocking reagents. Santa Cruz Biotechnology offers affinity purified normal immunoglobulins and immunoglobulin conjugates for use as negative controls in applications including flow cytometry, immunohistochemistry, immunofluorescence, Western Blotting and immunoprecipitation. Agarose (AC) conjugated IgGs are provided for immunoprecipitation; horseradish peroxidase (HRP) conjugates are provided for Western Blotting and immunohistochemistry; and Biotin (B) conjugates are provided for immunohistochemistry. A broad range of fluorescent conjugated controls are also available for use in flow cytometry and immunofluorescence applications. Most control immunoglobulins are available as unconjugated controls or as FITC (fluorescein isothiocyanate), PE (phycoerythrin), PE-Cy5 (phycoerythrin-Cy5), PE-Cy7 (phycoerythrin-Cy7), APC (allophycocyanin) and APC-Cy7 (allophycocyanin-Cy7) conjugates. Additional conjugates include Alexa Fluor® 488, Alexa Fluor® 647, Alexa Fluor® 405, PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex-Cy 5.5). Isotype specific control immunoglobulins include classes such as mouse IgG₁, IgG_{2a}, IgG_{2b}, IgG₃, IgM and IgA, rat IgG₁, IgG_{2a}, IgG_{2b} and IgM, Armenian hamster IgG, and both goat and rabbit IgG.

SOURCE

normal goat IgG-AC is an affinity purified, AC (agarose) conjugated isotype control immunoglobulin from goat.

PRODUCT

Each vial contains 250 µg goat IgG conjugated to 125 µl beads in 0.5 ml PBS with 0.02% sodium azide.

APPLICATIONS

normal goat IgG-AC is recommended for use as an isotype control immunoglobulin in place of a target specific primary antibody of the same isotype (goat IgG) by immunoprecipitation. To be used at an assay dependent dilution.

RECOMMENDED SUPPORT PRODUCTS

A. PRIMARY SUPPORT PRODUCTS

- RIPA Lysis Buffer System sc-24948
- PBS: 1 L of 10X sc-24946
- Electrophoresis Sample Buffer, 2X sc-24945

B. ALTERNATIVE SUPPORT PRODUCTS

- normal rabbit IgG: sc-2027
- Protein A-Agarose: sc-2001
- Protein G PLUS-Agarose: sc-2002
- Protein A/G PLUS-Agarose: sc-2003

STORAGE

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

SELECT PRODUCT CITATIONS

1. Xue, L., et al. 2003. Wild-type p53 regulates human ribonucleotide reductase by protein-protein interaction with p53R2 as well as hRRM2 subunits. *Cancer Res.* 63: 980-986.
2. Zhou, B., et al. 2003. The human ribonucleotide reductase subunit hRRM2 complements p53R2 in response to UV-induced DNA repair in cells with mutant p53. *Cancer Res.* 63: 6583-9654.
3. Salisbury, T.B., et al. 2007. Maximal activity of the luteinizing hormone β -subunit gene requires β -catenin. *Mol. Endocrinol.* 21: 963-971.
4. Kedar, P.S., et al. 2008. Interaction between PARP-1 and ATR in mouse fibroblasts is blocked by PARP inhibition. *DNA Repair* 7: 1787-1798.
5. Holdt, L.M., et al. 2013. Alu elements in ANRIL non-coding RNA at chromosome 9p21 modulate atherogenic cell functions through trans-regulation of gene networks. *PLoS Genetics* 9: e1003588.
6. Ptasińska, A., et al. 2014. Identification of a dynamic core transcriptional network in t(8;21) AML that regulates differentiation block and self-renewal. *Cell Reports* 8: 1974-1988.

RESEARCH USE

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

PROTOCOLS

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