SANTA CRUZ BIOTECHNOLOGY, INC.

GLIPR1 (Y-12): sc-162880



The Power to Question

BACKGROUND

GLIPR1 (GLI pathogenesis-related 1), also known as GLIPR, RTVP1 or CRISP7, is a 266 amino acid single-pass membrane protein belonging to the cysteinerich secretory protein (CRISP) family. GLIPR1 also shares similarity with the pathogenesis-related protein (PR) superfamily, and may function as a p53 target gene with tumor suppressor functions. While ubiquitously expressed, GLIPR1 is found at highest levels in heart, lung, kidney, placenta, liver, skele-tal muscle and cell lines derived from tumors of the nervous system. GLIPR1 expression is induced by p53 overexpression, exposure to γ irradiation and doxorubicinis. The gene encoding GLIPR1 maps to human chromosome 12q21.2 and while alternatively spliced isoforms of GLIPR1 are known to exist, not all variants have been characterized.

REFERENCES

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- 5. Ren, C., Ren, C.H., Li, L., Goltsov, A.A. and Thompson, T.C. 2006. Identification and characterization of RTVP1/GLIPR1-like genes, a novel p53 target gene cluster. Genomics 88: 163-172.
- Xiang, C., Sarid, R., Cazacu, S., Finniss, S., Lee, H.K., Ziv-Av, A., Mikkelsen, T. and Brodie, C. 2007. Cloning and characterization of human RTVP-1b, a novel splice variant of RTVP-1 in glioma cells. Biochem. Biophys. Res. Commun. 362: 612-618.
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CHROMOSOMAL LOCATION

Genetic locus: GLIPR1 (human) mapping to 12q21.2.

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

SOURCE

GLIPR1 (Y-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GLIPR1 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-162880 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GLIPR1 (Y-12) is recommended for detection of GLIPR1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for GLIPR1 siRNA (h): sc-96218, GLIPR1 shRNA Plasmid (h): sc-96218-SH and GLIPR1 shRNA (h) Lentiviral Particles: sc-96218-V.

Molecular Weight of GLIPR1: 30 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluo-rescence: use donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.