GSG1L (C-14): sc-240539



The Power to Question

BACKGROUND

GSG1L (germ cell-specific gene 1-like) is a 331 amino acid multi-pass membrane protein belonging to the GSG1 family. Existing as 4 alternatively spliced isoforms, GSG1L is encoded by a gene located on human chromosome 16, which encodes over 900 genes, comprises nearly 3% of the human genome and is associated with a variety of genetic disorders. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. A rare disorder known as Rubinstein-Taybi syndrome is associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GSG1L (human) mapping to 16p12.1; Gsg1l (mouse) mapping to 7 F3.

SOURCE

GSG1L (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of GSG1L 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-240539 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GSG1L (C-14) is recommended for detection of GSG1L of mouse, rat and 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); non cross-reactive with GSG1.

GSG1L (C-14) is also recommended for detection of GSG1L in additional species, including equine, canine and bovine.

Suitable for use as control antibody for GSG1L siRNA (h): sc-93189, GSG1L siRNA (m): sc-145802, GSG1L shRNA Plasmid (h): sc-93189-SH, GSG1L shRNA Plasmid (m): sc-145802-SH, GSG1L shRNA (h) Lentiviral Particles: sc-93189-V and GSG1L shRNA (m) Lentiviral Particles: sc-145802-V.

Molecular Weight of GSG1L: 37 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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.

PROTOCOLS

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

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