

GOLGA2L1 (S-16): sc-247031

BACKGROUND

GOLGA2L1 (golgin subfamily A member 2-like protein 1), also known as GOLGA2B (golgin subfamily A member 2B), is a 144 amino acid protein that belongs to the GOLGA2 family. Existing as two alternatively spliced isoforms, the gene that encodes GOLGA2L1 maps to human chromosome 12, which makes up approximately 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of the PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, as well as the natural killer complex gene cluster, which encodes C-type lectin proteins that mediate the NK cell response to MHC I interaction.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GOLGA2P5 (human) mapping to 12q23.1.

SOURCE

GOLGA2L1 (S-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GOLGA2L1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-247031 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GOLGA2L1 (S-16) is recommended for detection of GOLGA2L1 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 GOLGA2L1 siRNA (h): sc-96240, GOLGA2L1 shRNA Plasmid (h): sc-96240-SH and GOLGA2L1 shRNA (h) Lentiviral Particles: sc-96240-V.

Molecular Weight of GOLGA2L1 isoforms 1/2: 15/11 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.