

# GOLGA7B (N-16): sc-247032

## BACKGROUND

GOLGA7B (golgin subfamily A member 7B), also known as C10orf132 or C10orf133, is a 167 amino acid lipid anchor protein belonging to the Erf4 family. Localizing to Golgi apparatus membrane, GOLGA7B may be involved in the transport of proteins from Golgi to cell surface. The gene encoding GOLGA7B maps to human chromosome 10q24.2 and mouse chromosome 19 C3. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome and Wolman's syndrome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: GOLGA7B (human) mapping to 10q24.2; Golga7b (mouse) mapping to 19 C3.

## SOURCE

GOLGA7B (N-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of GOLGA7B 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-247032 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

GOLGA7B (N-16) is recommended for detection of GOLGA7B 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 GOLGA7.

GOLGA7B (N-16) is also recommended for detection of GOLGA7B in additional species, including canine and bovine.

Suitable for use as control antibody for GOLGA7B siRNA (h): sc-90719, GOLGA7B siRNA (m): sc-140300, GOLGA7B shRNA Plasmid (h): sc-90719-SH, GOLGA7B shRNA Plasmid (m): sc-140300-SH, GOLGA7B shRNA (h) Lentiviral Particles: sc-90719-V and GOLGA7B shRNA (m) Lentiviral Particles: sc-140300-V.

Molecular Weight of GOLGA7B: 18 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](http://www.scbt.com) or our catalog for detailed protocols and support products.