

GOLGA8E-G (A-20): sc-323930

BACKGROUND

The Golgi complex plays an essential role in the post-translational modification and sorting of proteins transported from the endoplasmic reticulum (ER). The Golgi stack consists of a distinct cis face, or entry face, and a trans face, or exit face, which are connected via the cis, medial and trans Golgi networks. Localizing to Golgi apparatus, the GOLGA8 (golgin A8) family of proteins includes three highly homologous members. These related proteins, designated GOLGA8E, GOLGA8F and GOLGA8G, contain 430 amino acids and are encoded by genes mapping to human chromosome 15. Housing over 700 genes, chromosome 15 comprises nearly 3% of the human genome. Angelman syndrome, Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are all associated with defects in chromosome 15-localized genes.

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CHROMOSOMAL LOCATION

Genetic locus: GOLGA8E (human) mapping to 15q11.2, GOLGA8F/GOLGA8G (human) mapping to 15q13.1.

SOURCE

GOLGA8E-G (A-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of GOLGA8G 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-323930 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

GOLGA8E-G (A-20) is recommended for detection of GOLGA8E, GOLGA8F and GOLGA8G 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); may cross-react with GOLGA2L1; non cross-reactive with GOLGA8A or GOLGA8B.

Molecular Weight of GOLGA8E-G isoforms 1/2/3: 48/32/49 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.