

TRAPPC8 (C-18): sc-85191

BACKGROUND

TRS85, also designated Gsg1 or HsT2706, is a 1,435 amino acid Golgi apparatus protein belonging to the TRS85 family. A component of the multisubunit TRAPP (transport protein particle) complex, a well-characterized multisubunit tethering complex that acts as a GTP exchange factor, TRS85 may play a role in vesicular transport from endoplasmic reticulum to Golgi apparatus. In *Saccharomyces cerevisiae*, TRS85 is required for nonspecific autophagy, pexophagy and the cytoplasm to vacuole targeting (Cvt) pathway. Existing as two alternatively spliced isoforms, TRS85 is encoded by a gene located on human chromosome 18, which houses over 300 protein-coding genes and contains nearly 76 million bases. There are a variety of diseases associated with defects in chromosome 18-localized genes, some of which include Trisomy 18 (also known as Edwards syndrome), Niemann-Pick disease, hereditary hemorrhagic telangiectasia, erythropoietic protoporphyria and follicular lymphomas.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KIAA1012 (human) mapping to 18q12.1.

STORAGE

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

SOURCE

TRAPPC8 (C-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of TRAPPC8 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-85191 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRAPPC8 (C-18) is recommended for detection of TRAPPC8 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 TRAPPC8 siRNA (h): sc-76761, TRAPPC8 shRNA Plasmid (h): sc-76761-SH and TRAPPC8 shRNA (h) Lentiviral Particles: sc-76761-V.

Molecular Weight of TRAPPC8: 161 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.

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.