



TMED3 (P-22): sc-102134

BACKGROUND

Transmembrane emp24 domain-containing protein 3 (TMED3), also known as membrane protein p24B, P24B or C15orf22, is a 217 amino acid member of the EMP24/GP25L family. Localized to the golgi apparatus, TMED3 is a single-pass type I membrane protein containing one GOLD domain. The GOLD (golgi dynamics) domain is a region of about 90 to 150 amino acids that mediates protein-protein interactions. Interacting with lipid, sterol or fatty acid-binding domains, suggesting an association with membrane proteins, the GOLD domain has also been found to interact with the RUN domain, which interacts with cytoskeletal filaments. Two isoforms of TMED3 exist as a result of alternate splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TMED3 (human) mapping to 15q25.1.

SOURCE

TMED3 (P-22) is a purified rabbit polyclonal antibody raised against TMED3 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

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

APPLICATIONS

TMED3 (P-22) is recommended for detection of TMED3 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TMED3 siRNA (h): sc-90253, TMED3 shRNA Plasmid (h): sc-90253-SH and TMED3 shRNA (h) Lentiviral Particles: sc-90253-V.

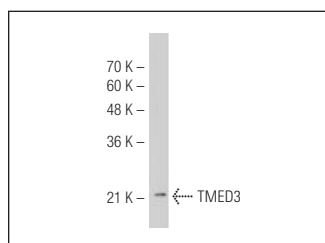
Molecular Weight of TMED3: 25 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



TMED3 (P-22): sc-102134. Western blot analysis of TMED3 expression in Hep G2 whole cell lysate.

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.