# TGN38 (m): 293T Lysate: sc-124027



The Power to Question

#### **BACKGROUND**

TGN38 (trans-Golgi network protein 2) is a type I integral membrane protein that constitutively cycles between the TGN and plasma membrane where it partitions nascent proteins into carrier vesicles for transport to appropriate destinations in the cell. The cytosolic domain of TGN38 interacts with AP2 Clathrin adaptor complexes via the tyrosine-containing motif (SDYQRL) to direct internalization from the plasma membrane. N- and O-linked oligosaccharide chains attach to the core TGN38 protein to produce a protein present in brain, lung and kidney.

#### **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: Tgoln1/Tgoln2 (mouse) mapping to 6 C1.

## **PRODUCT**

TGN38 (m): 293T Lysate represents a lysate of mouse TGN38 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

#### **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

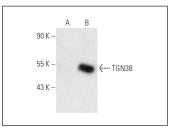
# **APPLICATIONS**

TGN38 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TGN38 antibodies. Recommended use: 10-20 ul per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TGN38 (G-9): sc-271624 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse TGN38 expression in TGN38 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

#### DATA



TGN38 (G-9): sc-271624. Western blot analysis of TGN38 expression in non-transfected: sc-117752 (A) and mouse TGN38 transfected: sc-124027 (B) 293T whole cell Ivsates.

#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

## **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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