

TRPD52L3 (G-14): sc-165799

BACKGROUND

TRPD52L3 (tumor protein D52-like 3) is a 231 amino acid protein believed to resemble tumor protein D52 in form and function. Tumor protein D52 belongs to the TPD52 family and can form homodimers or heterodimers with other members of the family. Tumor protein D52 is found to be expressed at high levels in exocrine cells containing large secretory granules where it is believed to regulate Ca²⁺-dependent protein secretion. It is also believed that overexpression of Tumor protein D52 in cancer reflects specific targeting and may contribute to a more proliferative, aggressive tumor phenotype in breast cancer.

REFERENCES

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STORAGE

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

CHROMOSOMAL LOCATION

Genetic locus: Trpd52l3 (mouse) mapping to 19 C1.

SOURCE

TRPD52L3 (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of TRPD52L3 of mouse 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-165799 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRPD52L3 (G-14) is recommended for detection of TRPD52L3 of mouse and rat 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 TRPD52L3 siRNA (m): sc-154694, TRPD52L3 shRNA Plasmid (m): sc-154694-SH and TRPD52L3 shRNA (m) Lentiviral Particles: sc-154694-V.

Molecular Weight of TRPD52L3: 24 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.