

TSGA13 (W-14): sc-137878

BACKGROUND

TSGA13 (testis-specific gene 13 protein) is a 275 amino acid protein that is post-translationally phosphorylated at serine 32. The gene encoding TSGA13 maps to human chromosome 7. Chromosome 7 houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfourt and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TSGA13 (human) mapping to 7q32.2; Tsga13 (mouse) mapping to 6 A3.3.

SOURCE

TSGA13 (W-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of TSGA13 of human origin.

STORAGE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-137878 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TSGA13 (W-14) is recommended for detection of TSGA13 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other TSGA family members.

TSGA13 (W-14) is also recommended for detection of TSGA13 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TSGA13 siRNA (h): sc-89676, TSGA13 siRNA (m): sc-154717, TSGA13 shRNA Plasmid (h): sc-89676-SH, TSGA13 shRNA Plasmid (m): sc-154717-SH, TSGA13 shRNA (h) Lentiviral Particles: sc-89676-V and TSGA13 shRNA (m) Lentiviral Particles: sc-154717-V.

Molecular Weight of TSGA13: 32 kDa.

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) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (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.