**BACKGROUND**

TEX101 (testis-expressed 101), also known as SGRG (spermatogenesis-related gene protein), sclerodema-associated autoantigen, cell surface receptor NYD-SP8, CT131, PR01884 or TES101RP, is a 249 amino acid protein that is thought to play a role in signal transduction. Functioning as a GPI-anchor, TEX101 localizes to cell membrane where it associates with lipid rafts, and is expressed in spermatogonia, testis and blood leukocytes. TEX101 is suggested to promote protein tyrosine phosphorylation and exists as two alternatively spliced isoforms. TEX101 undergoes post-translational N-glycosylation and contains one UPAR/Ly6 domain. The gene encoding TEX101 maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: Tex101 (mouse) mapping to 7 A3.

**SOURCE**

TEX101 (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TEX101 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-240982 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

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

**APPLICATIONS**

TEX101 (S-13) is recommended for detection of TEX101 of mouse 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 1:30-1:300); non cross-reactive with other TEX family members.

Suitable for use as control antibody for TEX101 siRNA (m): sc-154209, TEX101 shRNA Plasmid (m): sc-154209-SH and TEX101 shRNA (m) Lentiviral Particles: sc-154209-V.

Molecular Weight of TEX101 isoforms: 27/29 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-2333, 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.