

TEX10 (N-17): sc-244295

BACKGROUND

TEX10 (testis expressed 10), also known as L18 or Nbla10363, is a 929 amino acid multi-pass membrane protein that localizes to the nucleus and contains one HEAT repeat. The gene encoding TEX10 maps to human chromosome 9. Chromosome 9 contains 145 million base pairs and comprises 4% of the human genome, encoding nearly 900 genes. Hereditary hemorrhagic telangiectasia and familial dysautonomia are both associated with chromosome 9. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in translocations that lead to the aberrant production of a BCR-ABL fusion protein often found in leukemias.

REFERENCES

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8. Hims, M.M., et al. 2007. A humanized IKBKAP transgenic mouse models a tissue-specific human splicing defect. *Genomics* 90: 389-396.
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CHROMOSOMAL LOCATION

Genetic locus: TEX10 (human) mapping to 9q31.1; Tex10 (mouse) mapping to 4 B1.

SOURCE

TEX10 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TEX10 of human 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-244295 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TEX10 (N-17) is recommended for detection of TEX10 of mouse, rat and human 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); non cross-reactive with other TEX family members.

TEX10 (N-17) is also recommended for detection of TEX10 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TEX10 siRNA (h): sc-92520, TEX10 siRNA (m): sc-154208, TEX10 shRNA Plasmid (h): sc-92520-SH, TEX10 shRNA Plasmid (m): sc-154208-SH, TEX10 shRNA (h) Lentiviral Particles: sc-92520-V and TEX10 shRNA (m) Lentiviral Particles: sc-154208-V.

Molecular Weight of TEX10: 106 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.

STORAGE

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

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.