SANTA CRUZ BIOTECHNOLOGY, INC.

TEX11 (E-12): sc-240991

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

TEX11 (testis-expressed sequence 11 protein) is a 940 amino acid protein that exists as 3 alternatively spliced isoforms. Forming discrete foci on synapsed regions of meiotic chromosomes, TEX11 may be a constituent of meiotic nodules involved in recombination. TEX11 is thought to promote initiation and/or maintenance of synapsis and formation of crossovers, and may provide a link between these two meiotic processes. The gene the encodes TEX11 consists of nearly 380,000 bases and maps to human chromosome Xq13.1. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. There are a number of conditions related to an unusual number and combination of sex chromosomes being inherited, including Turner's syndrome, Klinefelter's syndrome and Triple X syndrome. Color blindness, hemophilia, and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently as males carry a single X chromosome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Tex11 (mouse) mapping to X C3.

SOURCE

TEX11 (E-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TEX11 of mouse 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 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-240991 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TEX11 (E-12) is recommended for detection of TEX11 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); non cross-reactive with other TEX family members.

Suitable for use as control antibody for TEX11 siRNA (m): sc-154210, TEX11 shRNA Plasmid (m): sc-154210-SH and TEX11 shRNA (m) Lentiviral Particles: sc-154210-V.

Molecular Weight of TEX11 isoforms: 108/71/107 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.