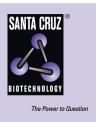
SANTA CRUZ BIOTECHNOLOGY, INC.

TSGA10IP (P-18): sc-249104



BACKGROUND

TSGA10IP (testis-specific protein 10-interacting protein) is a 556 amino acid gene product. TSGA10IP is believed to be initiated by either Met-1 or Met-7 and interacts with testis-specific protein 10. Testis-specific protein 10 is believed to be expressed as an autoantigen in autoimmune polyendocrine syndrome type I. Autoimmune polyendocrine syndrome type 1 (APS1) is a rare monogenic autosomal recessive disorder with autoimmune gonadal failure often being one of its features. is encoded by a gene located on human chromosome 11. Chromosome 11 houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome are associated with defects in genes that maps to chromosome 11.

REFERENCES

- 1. Gawin, B., et al. 1999. A 7.5 Mb sequence-ready PAC contig and gene expression map of human chromosome 11p13-p14.1. Genome Res. 9: 1074-1086.
- Theinert, S.M., et al. 2005. Identification of the testis-specific protein 10 (TSGA10) as serologically defined tumour-associated antigen in primary cutaneous T-cell lymphoma. Br. J. Dermatol. 153: 639-641.
- 3. Taylor, T.D., et al. 2006. Human chromosome 11 DNA sequence and analysis including novel gene identification. Nature 440: 497-500.
- Reimand, K., et al. 2008. Testis-expressed protein TSGA10 an autoantigen in autoimmune polyendocrine syndrome type I. Int. Immunol. 20: 39-44.
- Akimoto, C., et al. 2010. Testis-specific protein on Y chromosome (TSPY) represses the activity of the androgen receptor in androgen-dependent testicular germ-cell tumors. Proc. Natl. Acad. Sci. USA 107: 19891-19896.
- Pleskacova, J., et al. 2010. Tumor risk in disorders of sex development. Sex Dev. 4: 259-269.

CHROMOSOMAL LOCATION

Genetic locus: Tsga10ip (rat) mapping to 1q43.

SOURCE

TSGA10IP (P-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TSGA10IP of rat origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-249104 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **D0 NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

TSGA10IP (P-18) is recommended for detection of TSGA10IP of 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 TSGA10.

Molecular Weight of TSGA10IP: 61 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) Immunofluo-rescence: 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.