

# 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, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

## REFERENCES

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- 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.
- 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 auto-antigen in autoimmune polyendocrine syndrome type I. *Int. Immunol.* 20: 39-44.
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- 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 IgG 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 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

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) 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](http://www.scbt.com) or our catalog for detailed protocols and support products.