

**TSPY1S Antibody**  
**Catalog # ASC11583****Specification**

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**TSPY1S Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q01534</a>
Other Accession	<a href="#">NP_001184171</a> , <a href="#">308522758</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32 kDa KDa
Application Notes	TSPY1S antibody can be used for detection of TSPY1S by Western blot at 1 - 2 µg/mL.

**TSPY1S Antibody - Additional Information**Gene ID **7258****Target/Specificity**

TSPY1; TSPY1S antibody is human and mouse reactive. At least three isoforms of TSPY1 are known to exist; this antibody will detect only TSPY1S

**Reconstitution & Storage**

TSPY1S antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

TSPY1S Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TSPY1S Antibody - Protein Information****Name** TSPY1**Synonyms** TSPY**Function**

May be involved in sperm differentiation and proliferation.

**Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Also found in nucleus

**Tissue Location**

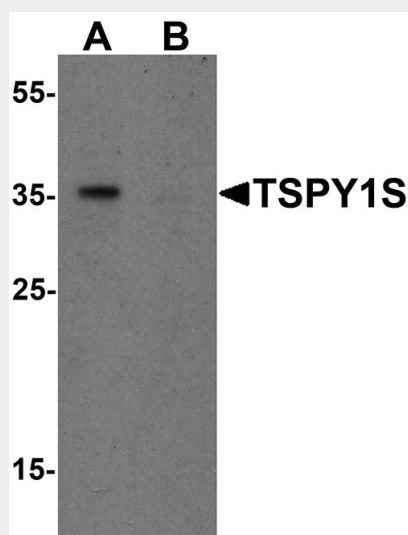
Specifically expressed in testicular tissues. Isoform 1 and isoform 2 are expressed in spermatogonia and spermatocytes. Found in early testicular carcinoma in situ, spermatogonial cells in testicular tissues of 46,X,Y female and in prostate cancer cell lines.

## TSPY1S Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TSPY1S Antibody - Images



Western blot analysis of TSPY1S in A20 cell lysate with TSPY1S antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

## TSPY1S Antibody - Background

TSPY1S Antibody: Testis-specific protein on Y chromosome (TSPY1) is an ampliconic gene on the Y chromosome that has been associated with gonadoblastoma. Recent experiments have shown that in androgen-dependent testicular germ-cell tumors, TSPY1 can repress the androgen-bound androgen receptor (AR), a member of the nuclear steroid hormone receptor family that acts as a ligand-inducible transcription factor, suggesting that TSPY1 is a repressor of cell proliferation in germ-cell tumors and potentially in normal gonadal cells during early development. Two distinct isoforms of TSPY1, TSPY1L and TSPY1S, are known to exist.

## TSPY1S Antibody - References

Arnemann J, Jakubiczka S, Thuring S, et al. Cloning and sequence analysis of a human Y-chromosome-derived, testicular cDNA, TSPY. *Genomics* 1991; 11:108-114  
Lau YF. Gonadoblastoma, testicular and prostate cancers, and the TSPY gene. *Am. J. Hum. Genet.* 1999; 64:921-7.  
Akimoto C, Ueda T, Inoue K, et al. 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* 2010; 107:19891-6.

Krick R, Jacubiczka S, and Arnemann J. Expression, alternative splicing and haplotype analysis of transcribed testis specific protein (TSPY) genes. Gene 2003; 302:11-9.