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TSPY1L Antibody
Catalog # ASC11582

Specification

TSPY1L Antibody - Product Information

Application	**WB**
Primary Accession	Q01534
Other Accession	NP_003299, 139948460
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**34 kDa KDa**
Application Notes	**TSPY1L antibody can be used for detection of TSPY1L by Western blot at 0.5 - 1 µg/mL.**

TSPY1L Antibody - Additional Information

Gene ID **7258**

Target/Specificity
TSPY1; TSPY1L antibody is human and mouse reactive. At least three isoforms of TSPY1 are known to exist; this antibody will detect only TSPY1L.

Reconstitution & Storage
TSPY1L antibody can be stored at 4℃ for three months and -20℃, 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
TSPY1L Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TSPY1L 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.

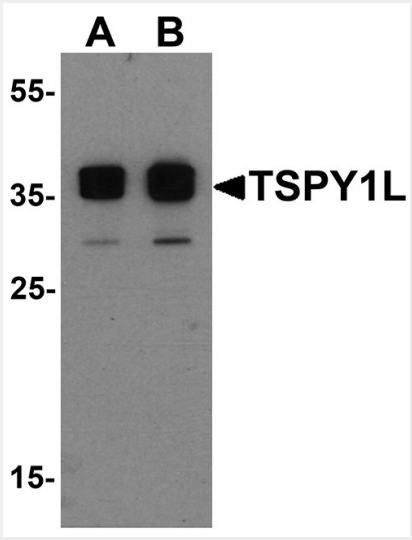
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TSPY1L Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TSPY1L Antibody - Images



Western blot analysis of TSPY1L in A20 cell lysate with TSPY1L antibody at (A) 0.5 and (B) 1 µg/mL

TSPY1L Antibody - Background

TSPY1L 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.

TSPY1L 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.