10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TSPY1 Rabbit pAb

Catalog # AP96160

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q01534
Other Accession	Q01534
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35012
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TSPY1
Epitope Specificity	231-308/308
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Also found in nucleus.
SIMILARITY	Belongs to the nucleosome assembly protein (NAP) family.
Post-translational modifications	Phosphorylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The function of this protein is unknown. TSPY genes are located on the Y-chromosome of several mammalian species. TSPY encodes a testis-specific protein 1, which probably acts as nucleosome-binding transcription factor. Homology with the SET/NAP/DENTT oncogene family suggest a role in spermatogonic cell division and seminal oncogenesis.

Additional Information

Gene ID	7258
Other Names	CT78; DYS14; TSPY; pJA923; TSPY1; TSPY10; TSPY1_HUMAN; Cancer/testis antigen 78 (CT78); testis specific protein Y-linked 1; testis specific protein, Y-linked; cancer/testis antigen 78
Target/Specificity	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.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.