

Rabbit anti-Human TSPY1/2/3/4 Polyclonal Antibody | anti-TSPY1/2/3/4 antibody

Anti-TSPY1/2/3/4 Antibody Picoband

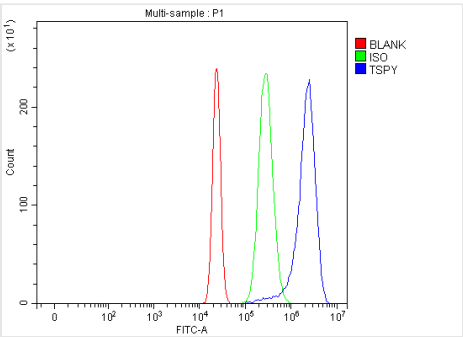
CATALOG # AAA126368	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

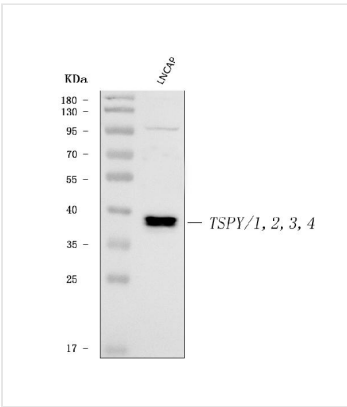
TSPY1/2/3/4; Polyclonal Antibody; Anti-TSPY1/2/3/4 Antibody Picoband; anti-TSPY1/2/3/4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TSPY1/2/3/4 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TSPY1/2/3/4 recombinant protein (Position: R16-R247).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of U2OS cells using anti-TSPY1/2/3/4 antibody (AAA126368).Overlay histogram showing U2OS cells stained with AAA126368 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TSPY1/2/3/4 Antibody (AAA126368, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of TSPY1/2/3/4 using anti-TSPY1/2/3/4 antibody (AAA126368).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human LNCAP whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TSPY1/2/3/4 antigen affinity purified polyclonal antibody (#AAA126368) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TSPY1/2/3/4 at approximately 39 kDa. The expected band size for TSPY1/2/3/4 is at 35 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TSPY1/2/3/4 antibody	Testis-specific Y-encoded protein 1/2/3/4 is a protein that in humans is encoded by the TSPY1/2/3/4 gene. The protein encoded by this gene is found only in testicular tissue and may be involved in spermatogenesis. Many functional paralogs and pseudogenes of this gene are present in a cluster in humans, but only a single, nonfunctional orthologous gene is found in mouse. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-TSPY1/2/3/4 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	139948460
NCBI GeneID	7258
NCBI Accession #	NP_003299
NCBI GenBank Nucleotide #	NM_003308.3
UniProt Accession #	Q01534; A6NKD2; P0CV98; P0CV99
Molecular Weight	34 kDa
NCBI Official Full Name	testis-specific Y-encoded protein 1 isoform TSPY-L
NCBI Official Synonym Full Names	testis specific protein, Y-linked 1
NCBI Official Symbol	TSPY1
NCBI Official Synonym Symbols	CT78; TSPY; DYS14; pJA923
NCBI Protein Information	testis-specific Y-encoded protein 1; cancer/testis antigen 78
UniProt Protein Name	Testis-specific Y-encoded protein 1

UniProt Gene Name	TSPY1
UniProt Synonym Gene Names	TSPY; CT78
UniProt Entry Name	TSPY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tspy1-2-3-4-antibody-flow-cytometry-western-blot-elisa/126368>