

Rabbit anti-Rat Tspan1 Polyclonal Antibody | anti-Tspan1 antibody

Anti-Tspan1 Antibody

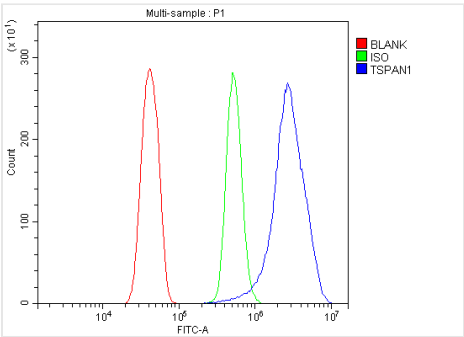
CATALOG # AAA125799	HOST Rabbit	REACTIVITY Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

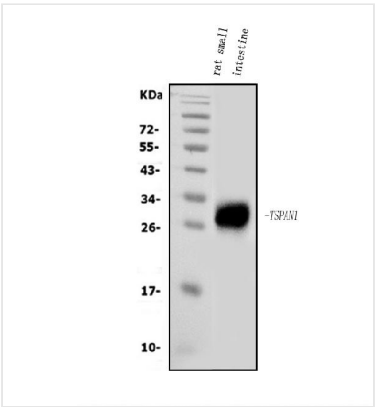
Tspan1; Polyclonal Antibody; Anti-Tspan1 Antibody; TSPAN1; Tetraspanin-1; Tspan-1; Tetraspan NET-1; Tetraspanin TM4-C; tetraspanin 1; anti-Tspan1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Tspan1 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.005mg NaN3.
Applicable Applications for anti-Tspan1 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived rat Tspan1 recombinant protein (Position: A125-A212).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of RH35 cells using anti-Tspan1 antibody (AAA125799).Overlay histogram showing RH35 cells stained with AAA125799 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tspan1 Antibody (AAA125799, 1μg/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/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 Tspan1 using anti-Tspan1 antibody (AAA125799).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 50ug of sample under reducing conditions.Lane 1: rat small intestine tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Tspan1 antigen affinity purified polyclonal antibody (Catalog # AAA125799) at 0. 5 μg/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 Tspan1 at approximately 28-30KD. The expected band size for Tspan1 is at 28-30KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Tspan1 antibody	TSPAN1 belongs to the large family of tetraspanins, so named because they contain 4 transmembrane domains. Tetraspanins are frequently expressed at the cell surface in association with each other and with other molecules, such as integrins (see ITGB1; 135630), and they function to regulate cell adhesion, migration, proliferation, and differentiation.
References	1. Serru, V., Dessen, P., Boucheix, C., Rubinstein, E. Sequence and expression of seven new tetraspans. Biochim. Biophys. Acta 1478: 159-163, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51948442
NCBI GeneID	298436
NCBI Accession #	NP_001004236.1
NCBI GenBank Nucleotide #	NM_001004236.1
UniProt Accession #	Q6AYR9
Molecular Weight	26,453 Da
NCBI Official Full Name	tetraspanin-1
NCBI Official Synonym Full Names	tetraspanin 1
NCBI Official Symbol	Tspan1
NCBI Protein Information	tetraspanin-1; tspan-1; tetraspan 1
UniProt Protein Name	Tetraspanin-1
UniProt Gene Name	Tspan1

UniProt Synonym Gene Names	Tspan-1
UniProt Entry Name	TSN1_RAT

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/tspan1-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125799>