

Rabbit anti-Human TSPAN1 Monoclonal Antibody | anti-TSPAN1 antibody

Recombinant Anti-TSPAN1 Antibody, Rabbit Monoclonal

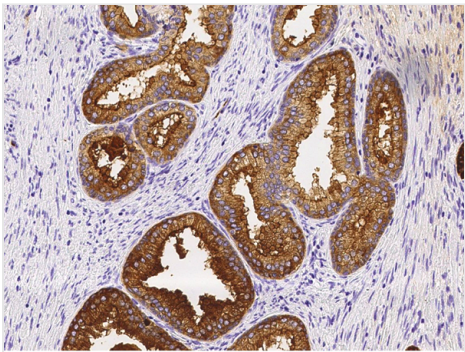
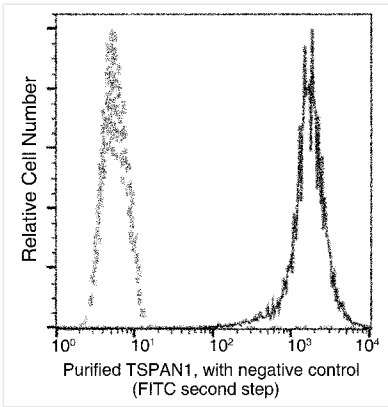
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255628	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

TSPAN1; Monoclonal Antibody; Recombinant Anti-TSPAN1 Antibody; Rabbit Monoclonal; TSPAN1 Antibody; Rabbit MAb; tetraspanin 1; Anti-NET1 Antibody; Anti-TM4C Antibody; Anti-TM4SF Antibody; Anti-TSPAN1 Antibody; anti-TSPAN1 antibody

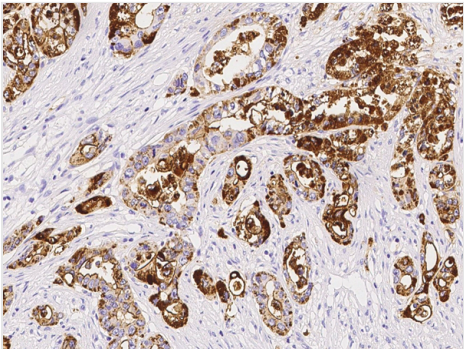
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	010
Specificity	Human TSPAN1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TSPAN1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human TSPAN1 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human TSPAN1 (rh TSPAN1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human TSPAN1 in human prostate with rabbit monoclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human TSPAN1 expression on SW480 cells. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with purified anti-Human TSPAN1, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IHC (Immunohistochemistry)
Immunochemical staining of human TSPAN1 in human rectal cancer with rabbit monoclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-TSPAN1 antibody	TSPAN1 belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins have four hydrophobic domains, intracellular N- and C-termini and two extracellular domains. Tetraspanins act as scaffolding proteins, anchoring multiple proteins to one area of the cell membrane. They also mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TSPAN1 interacts with human thiamine transporter-1 (hTHTR-1). HTHTR-1 contributes to intestinal thiamine uptake, and its function is regulated at both the transcriptional and posttranscriptional levels. TSPAN1 and hTHTR-1 colocalize in human intestinal epithelial HuTu-8 cells. Coexpression of TSPAN1 in these cells led to a significant decrease in the rate of degradation of hTHTR-1 compared with cells expressing the hTHTR-1 alone; in fact the half-life of the TSPAN1 protein was twice longer in the former cell type compared with the latter cell type.
References	Chen L. et al., 2010, J Korean Med Sci. 25 (10): 1438-42. Chen L. et al., 2010, Tumori. 96 (5): 744-50. Nabokina SM. et al., 2011, Am J Physiol Gastrointest Liver Physiol. 301 (5): G808-13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264578
NCBI GeneID	10103
NCBI Accession #	NP_005718
NCBI GenBank Nucleotide #	NM_005727
UniProt Accession #	O60635; O60745; Q5VST0; D3DQ14

Molecular Weight	26,301 Da
NCBI Official Full Name	tetraspanin-1
NCBI Official Synonym Full Names	tetraspanin 1
NCBI Official Symbol	TSPAN1
NCBI Official Synonym Symbols	NET1; TM4C; TM4SF
NCBI Protein Information	tetraspanin-1; tetraspan 1
UniProt Protein Name	Tetraspanin-1
UniProt Gene Name	TSPAN1
UniProt Synonym Gene Names	Tspan-1
UniProt Entry Name	TSN1_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/monoclonal/tspan1-antibody-clone-010-flow-cytometry-immunohistochemistry-elisa/255628>