

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

Anti-TSPAN1 Antibody, Rabbit Polyclonal

CATALOG # AAA255629	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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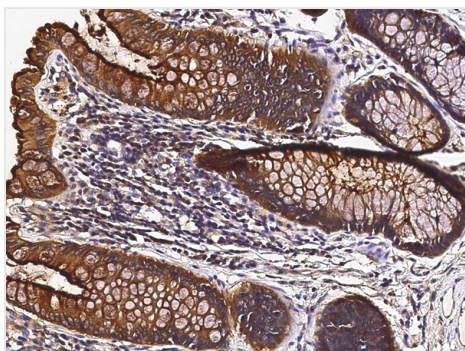
PRODUCT SYNONYMS

TSPAN1; Polyclonal Antibody; Anti-TSPAN1 Antibody; Rabbit Polyclonal; TSPAN1 Antibody; Rabbit PAb; Antigen Affinity Purified; tetraspanin 1; Anti-NET1 Antibody; Anti-TM4C Antibody; Anti-TM4SF Antibody; anti-TSPAN1 antibody

PRODUCT SPECIFICATIONS

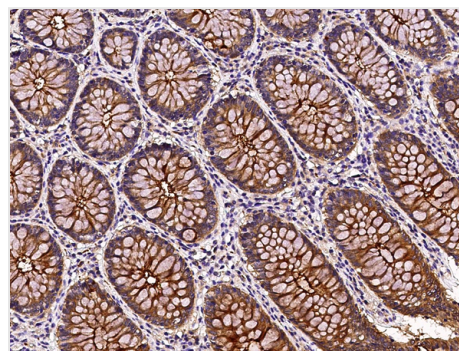
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TSPAN1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TSPAN1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human TSPAN1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human TSPAN1 (rh TSPAN1). TSPAN1 specific IgG was purified by Human TSPAN1 affinity chromatography.
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.

IMAGES



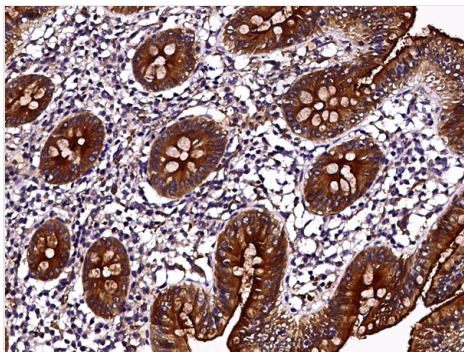
IHC (Immunohistochemistry)

Immunochemical staining of human TSPAN1 in human rectum with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human TSPAN1 in human colon with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
 Immunochemical staining of human TSPAN1 in human appendix with rabbit polyclonal antibody (1:1000, 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.

