

T4S4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9749a

Product Information

Application	WB, E
Primary Accession	P48230
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24465
Calculated MW	21396
Antigen Region	16-45

Additional Information

Gene ID	7104
Other Names	Transmembrane 4 L6 family member 4, Intestine and liver tetraspan membrane protein, IL-TMP, TM4SF4, ILTMP
Target/Specificity	This T4S4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human T4S4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	T4S4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TM4SF4
Synonyms	ILTMP
Function	Regulates the adhesive and proliferative status of intestinal epithelial cells.

Can mediate density-dependent cell proliferation.

Cellular Location

Membrane; Multi-pass membrane protein.

Tissue Location

Jejunum and liver.

Background

T4S4 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that can regulate cell proliferation. The use of alternate polyadenylation sites has been found for this gene.

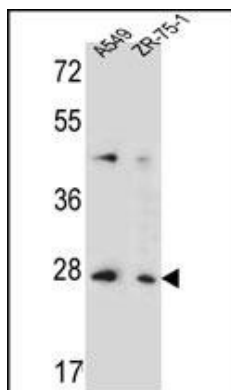
References

Qiao, J., et al. *Reprod. Biomed. Online* 17(3):425-435(2008)

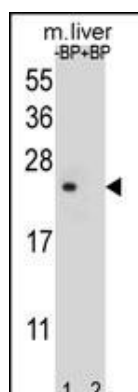
Berditchevski, F. J. *Cell. Sci.* 114 (PT 23), 4143-4151 (2001)

Wright, M.D., et al. *Protein Sci.* 9(8):1594-1600(2000)

Images



T4S4 Antibody (N-term) (Cat. #AP9749a) western blot analysis in A549,ZR-75-1 cell line lysates (35ug/lane).This demonstrates the T4S4 antibody detected the T4S4 protein (arrow).



Western blot analysis of T4S4 Antibody (N-term) Pab (Cat. #AP9749a) pre-incubated without(lane 1) and with(lane 2) blocking peptide in liver cell line lysate. T4S4 Antibody (N-term) (arrow) was detected using the purified Pab

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