

T4S4 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9749a**Specification**

T4S4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P48230
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21396
Antigen Region	16-45

T4S4 Antibody (N-term) - 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.

T4S4 Antibody (N-term) - 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

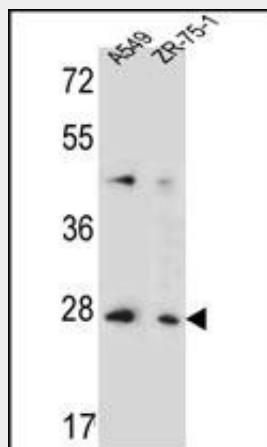
Jejunum and liver.

T4S4 Antibody (N-term) - Protocols

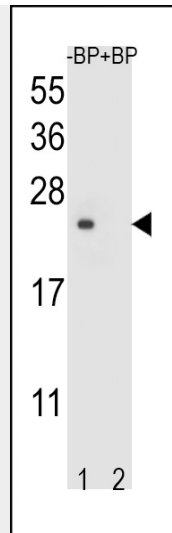
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

T4S4 Antibody (N-term) - 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

T4S4 Antibody (N-term) - 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.

T4S4 Antibody (N-term) - References

Qiao, J., et al. *Reprod. Biomed. Online* 17(3):425-435(2008)
Berdichevski, F. J. *Cell. Sci.* 114 (PT 23), 4143-4151 (2001)
Wright, M.D., et al. *Protein Sci.* 9(8):1594-1600(2000)