

### 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

## **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





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Function Regulates the adhesive and proliferative status of intestinal epithelial cells. Can mediate density-dependent cell proliferation.

#### **Cellular Location**

Membrane; Multi-pass membrane protein.

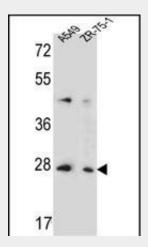
**Tissue Location** Jejunum and liver.

# T4S4 Antibody (N-term) - Protocols

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

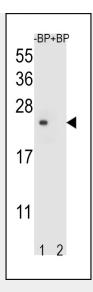
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## 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) Berditchevski, F. J. Cell. Sci. 114 (PT 23), 4143-4151 (2001) Wright, M.D., et al. Protein Sci. 9(8):1594-1600(2000)