

AP54278PU-N**Polyclonal Antibody to TM4SF1 (N-term) - Aff - Purified****Alternate names:**

M3S1, Membrane component surface marker 1, TAAL6, Transmembrane 4 L6 family member 1, Tumor-associated antigen L6

Quantity:

0.4 ml

Concentration:

lot specific

Background:

The protein encoded by this gene 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 antigen and is highly expressed in different carcinomas.

Uniprot ID:

[P30408](#)

NCBI:

[NP_055035](#)

GeneID:

[4071](#)

Host / Isotype:

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 23-53 amino acids from the N-terminal region of human TM4SF1

Format:

State: Liquid Ig fraction

Purification: Protein A column followed by peptide affinity purification

Buffer System: PBS with 0.09% (W/V) sodium azide

Applications:

ELISA: 1:1;000.

Western blot: 1:100~500.

Immunohistochemistry on paraffin sections: 1:10~50.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects TM4SF1 (N-term).

Species Reactivity:

Tested: Human, mouse

Add. Information:

Molecular Weight: 21632 Da

Storage:

Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.

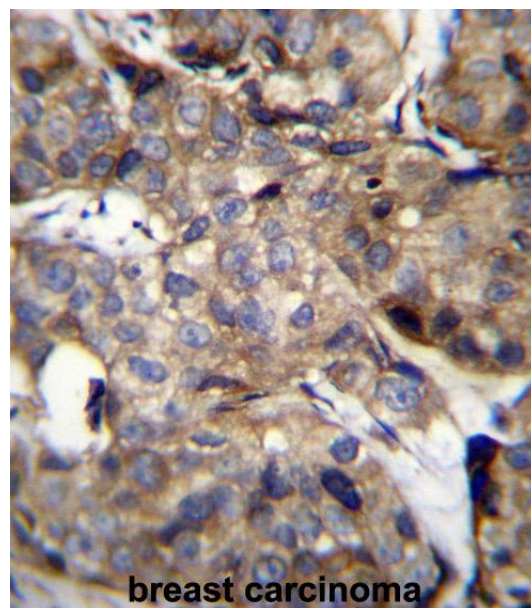
Shelf life: one year from despatch.

General Readings:

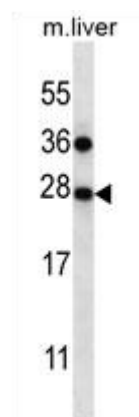
1. Gordon, G.J., et al. J. Natl. Cancer Inst. 101(9):678-686(2009).
2. Lekishvili, T., et al. J. Cell. Sci. 121 (PT 5), 685-694 (2008).
3. Stelzl, U., et al. Cell 122(6):957-968(2005).
4. Chang, Y.W., et al. Int. J. Cancer 116(2):243-252(2005).
5. Kao, Y.R., et al. Clin. Cancer Res. 9(7):2807-2816(2003).

Pictures:

TM4SF1 Antibody (N-term) (AP54278PU-N) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TM4SF1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TM4SF1 Antibody (N-term) (AP54278PU-N) western blot analysis in mouse liver tissue lysates (35 µg/lane). This demonstrates the TM4SF1 antibody detected the TM4SF1 protein (arrow).



TM4SF1 Antibody (N-term) (AP54278PU-N) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the TM4SF1 antibody detected the TM4SF1 protein (arrow).

