

TM4SF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12712a

Product Information

Application	WB, IHC-P, E
Primary Accession	P30408
Other Accession	NP_055035.1
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32161
Calculated MW	21632
Antigen Region	16-45

Additional Information

Gene ID	4071
Other Names	Transmembrane 4 L6 family member 1, Membrane component chromosome 3 surface marker 1, Tumor-associated antigen L6, TM4SF1, M3S1, TAAL6
Target/Specificity	This TM4SF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-45 amino acids from the N-terminal region of human TM4SF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	TM4SF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TM4SF1
Synonyms	M3S1, TAAL6

Cellular Location	Membrane; Multi-pass membrane protein. Note=Colocalizes with SDCBP2 in the apical region of the cell (PubMed:11102519).
Tissue Location	Highly expressed in lung, breast, colon and ovarian carcinomas. It is also present on some normal cells, endothelial cells in particular

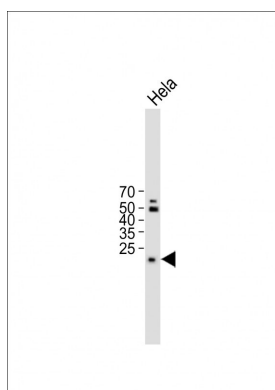
Background

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.

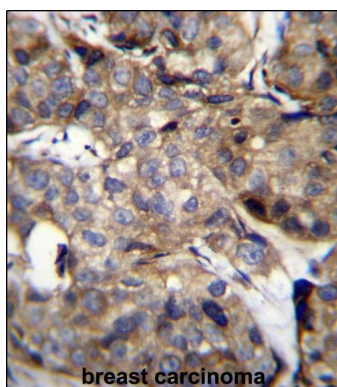
References

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

Images



All lanes : Anti-TM4SF1 Antibody (N-term) at 1:2000 dilution Lane 1:Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 23kDa Blocking/Dilution buffer : 5% NFDM/TBST.



TM4SF1 Antibody (N-term) (Cat. #AP12712a) 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.

Citations

- [Transmembrane-4-L-six-family-1, a potential predictor for poor prognosis, overexpressed in human glioma.](#)

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