

## Product datasheet for **TA319680**

### Transmembrane 4 L6 family member 1 (TM4SF1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TM4SF1 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human TM4SF1. The immunogen is located within the first 50 amino acids of TM4SF1.
Formulation:	TM4SF1 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	TM4SF1 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transmembrane 4 L six family member 1
Database Link:	<a href="#">NP_055035</a> <a href="#">Entrez Gene 17112 Mouse</a> <a href="#">Entrez Gene 295061 Rat</a> <a href="#">Entrez Gene 4071 Human</a> <a href="#">P30408</a>



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**Background:**

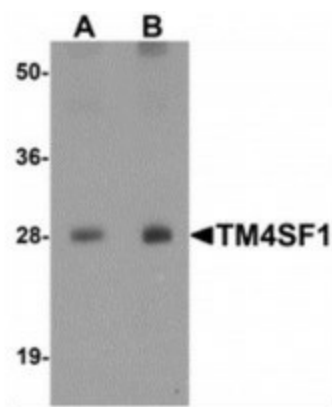
TM4SF1 Antibody: TM4SF1 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains and mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TM4SF1 is a cell surface antigen and is highly expressed in the vascular endothelium of several human cancers. Knockdown experiments of TM4SF1 prevented filopodia formation, inhibited cell mobility, blocked cytokinesis, and inhibited maturation of VEGF-A-induced angiogenesis, suggesting that TM4SF1 may be an attractive target for anti-angiogenesis therapy.

**Synonyms:**

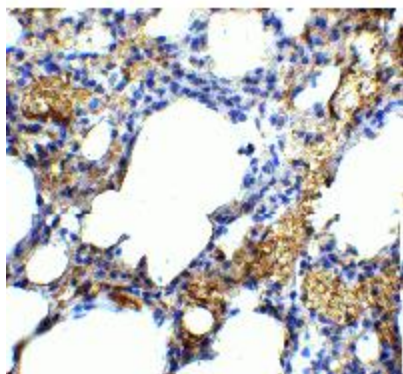
H-L6; L6; M3S1; TAAL6

**Protein Families:**

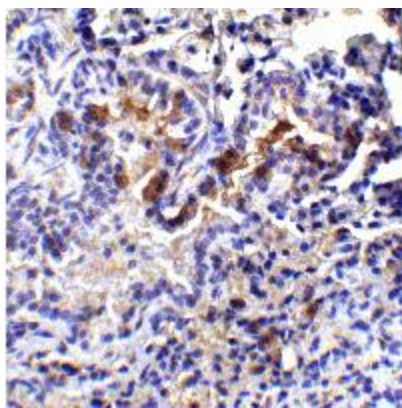
Transmembrane

**Product images:**

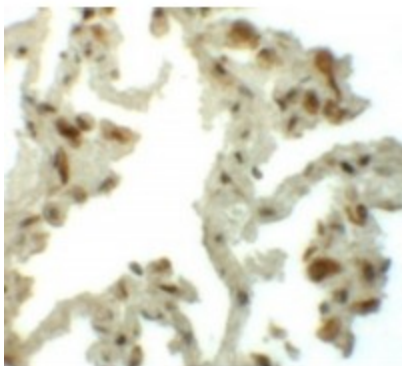
Western blot analysis of TM4SF1 in human lung tissue lysate with TM4SF1 antibody at (A) 0.5 and (B) 1ug/ml.



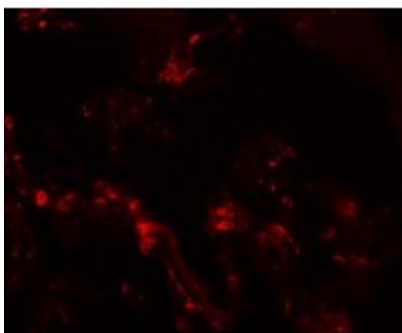
Immunohistochemistry of TM4SF1 in mouse lung tissue with TM4SF1 antibody at 5ug/ml.



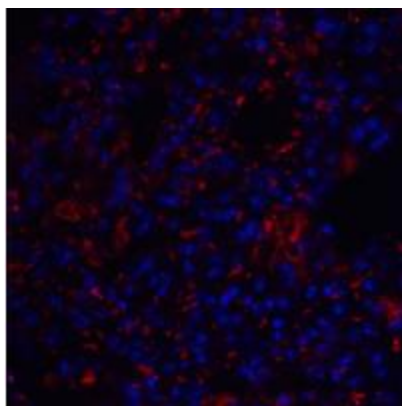
Immunohistochemistry of TM4SF1 in mouse lung tissue with TM4SF1 antibody at 2ug/ml.



Immunohistochemistry of TM4SF1 in human lung tissue with TM4SF1 antibody at 5ug/ml.



Immunofluorescence of TM4SF1 in human lung tissue with TM4SF1 antibody at 20ug/ml.



Immunofluorescence of TM4SF1 in mouse lung tissue with TM4SF1 antibody at 20ug/ml.