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TM4SF1 Antibody
Catalog # ASC12068

Specification

TM4SF1 Antibody - Product Information

Application	**WB, IHC-P, IF, E**
Primary Accession	P30408
Other Accession	21265101, NP_055035, 4071
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**21632**
Application Notes	**TM4SF1 antibody can be used for detection of TM4SF1 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

TM4SF1 Antibody - Additional Information

Gene ID **4071**

Other Names
TM4SF1 Antibody: L6, H-L6, M3S1, TAAL6, Transmembrane 4 L6 family member 1, Membrane component chromosome 3 surface marker 1

Precautions
TM4SF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TM4SF1 Antibody - 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

TM4SF1 Antibody - Protocols

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

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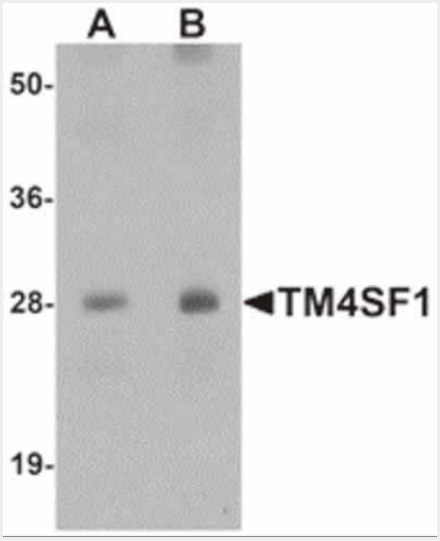
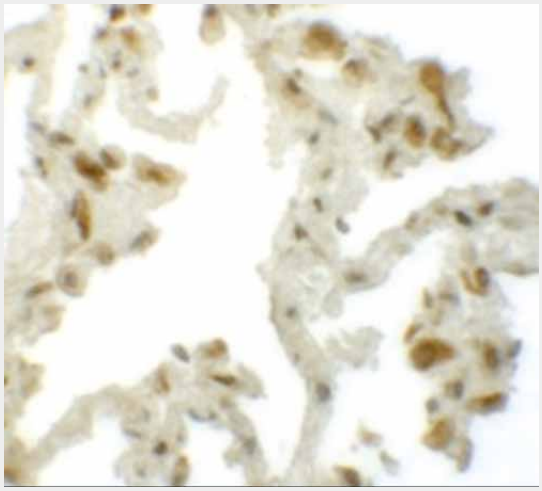
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TM4SF1 Antibody - Images



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



Immunohistochemistry of TM4SF1 in human lung tissue with TM4SF1 antibody at 5 µg/mL.

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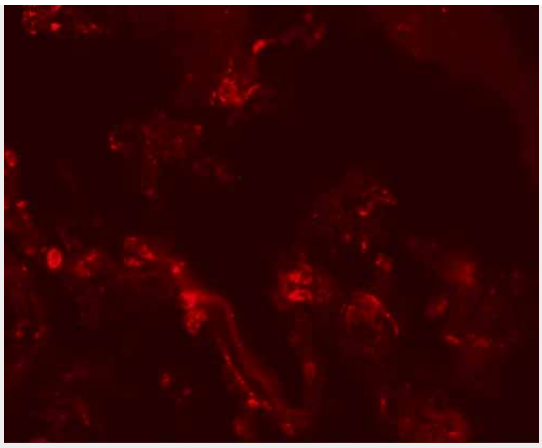
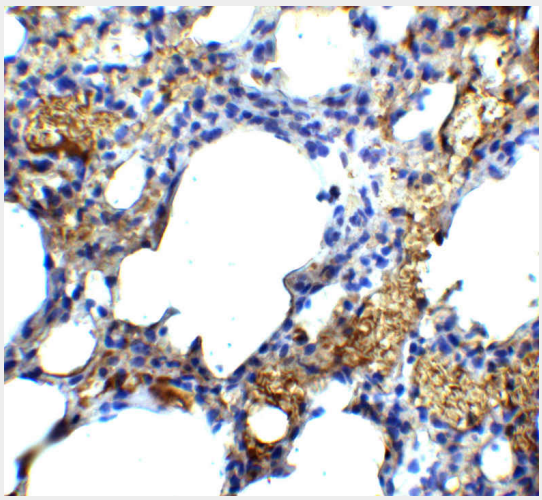


Immunofluorescence of TM4SF1 in human lung tissue with TM4SF1 antibody at 20 µg/mL.



Immunohistochemistry of TM4SF1 in mouse lung tissue with TM4SF1 antibody at 5 µg/mL.

TM4SF1 Antibody - 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.

TM4SF1 Antibody - References

Marken JS, Schieven GL, Hellstrom I, et al. Cloning and expression of the tumor-associated antigen L6. Proc. Natl. Acad. Sci. USA 1992; 89:3503-7;Romanska HM and Berditchevski F. Tetraspanins in human epithelial malignancies. J. Pathol. 2011; 223:4-14;Shih SC, Zukauskas A, Li D, et al. The L6 TM4SF1 is critical for endothelial cell function and tumor angiogenesis. Cancer Res. 2009; 69:3272-7.;