SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TM4SF3 antibody

Catalog Number: SL6241R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TM4SF3
Immunogen:	KLH conjugated synthetic peptide derived from human TM4SF3: 101-200/237 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	26kDa
Subcellular Location:	The cell membrane
Background:	TM4SF3 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. TM4SF3 is known to complex with integrins. Its gene is expressed in different carcinomas. The use of alternate polyadenylation sites has been found for TM4SF3 gene. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Tissue Specificity:** Gastric, colon, rectal, and pancreatic carcinomas.

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	Similarity: Belongs to the tetraspanin (TM4SF) family. **Database links:** **Entrez Gene:** 7103 Human Omim: 600769 Human **SwissProt:** P19075 Human **Unigene:** 170563 Human

[VALIDATION IMAGES]

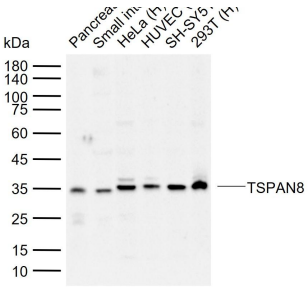


Figure 1. Sample: Lane 1: Mouse Pancreas tissue lysates Lane 2: Mouse Small intestine tissue lysates Lane 3: Human HeLa cell lysates Lane 4: Human HUVEC cell lysates Lane 5: Human SH-SY5Y cell lysates Lane 6: Human 293T cell lysates Primary: Anti-TSPAN8 (SL6241R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kDa Observed band size: 35 kDa

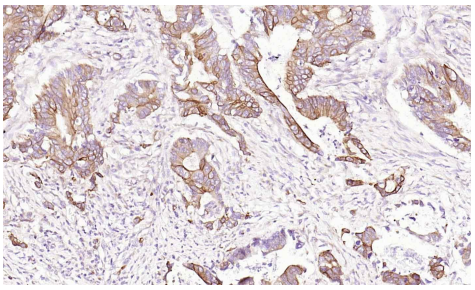


Figure 2. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TSPAN8) Polyclonal Antibody, Unconjugated (SL6241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

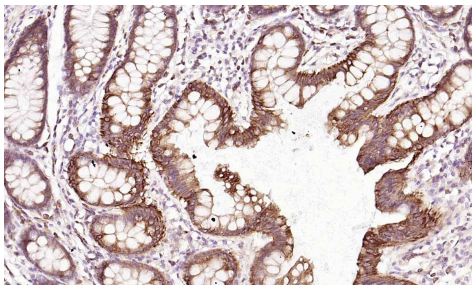


Figure 3. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TSPAN8) Polyclonal Antibody, Unconjugated (SL6241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

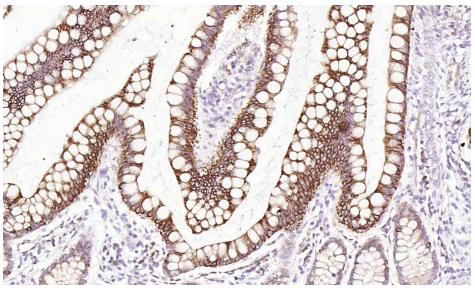


Figure 4. Paraformaldehyde-fixed, paraffin embedded (human intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TSPAN8) Polyclonal Antibody, Unconjugated (SL6241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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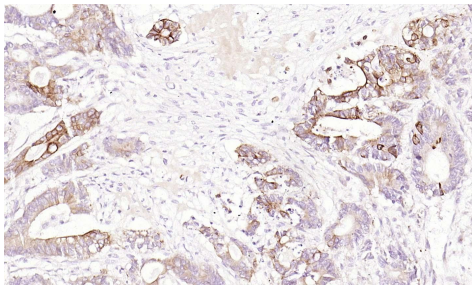


Figure 5. Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (TSPAN8) Polyclonal Antibody, Unconjugated (SL6241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining

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