

Product datasheet for **TA306483**

TEM1 (CD248) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | TEM1 antibody was raised against a 14 amino acid peptide near the carboxy terminus of the human TEM1. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | Affinity chromatography purified via peptide column |
| Conjugation: | Unconjugated |
| Storage: | Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | CD248 molecule |
| Database Link: | NP_065137 Entrez Gene 70445 Mouse Entrez Gene 293669 Rat Entrez Gene 57124 Human Q9HCU0 |



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Background:

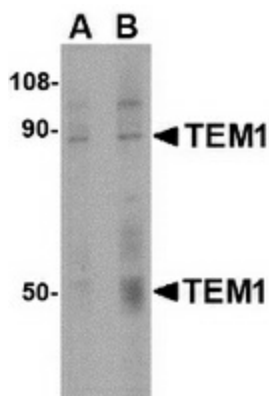
Tumor endothelial marker (TEM) 1 was originally identified as a human embryonic fibroblast-specific antigen and was later determined to be endosialin, a single-pass transmembrane glycoprotein that has multiple extracellular domains, including three EGF-like domains, a sushi-like domain, and a C lectin-like domain. TEM proteins are significantly up-regulated during angiogenesis and neoangiogenesis that are crucial for the growth of solid tumors. While TEM1 is not required for angiogenesis during fetal development, postnatal growth or wound healing, it plays a role in tumor growth, invasion, and metastasis. Fibronectin and collagen types I and IV act as specific ligands of TEM1, leading to suggestions that these molecules may cause changes in the extracellular matrix, cell adhesion and migration during tumor invasion. At least two isoforms of TEM1 are known to exist; this antibody recognizes both isoforms.

Synonyms:

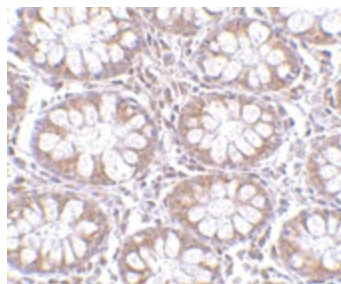
CD164L1; TEM1

Protein Families:

Druggable Genome, Transmembrane

Product images:

Western blot analysis of TEM1 in human colon tissue lysate with TEM1 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of TEM1 in human colon tissue with TEM1 antibody at 2.5 ug/ml.



Immunofluorescence of TEM1 in Human Colon tissue with TEM1 antibody at 20 ug/mL.