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Datasheet for ABIN500887

anti-CD248 antibody (N-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	CD248
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD248 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	A 14 amino acid peptide near the amino terminus of the Human TEM1.
Isotype:	IgG
Specificity:	This antibody detects CD248 / TEM1 at N-term. It recognizes only the larger isoform.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat
Purification:	Peptide Affinity Chromatography

Target Details

Target:	CD248
Alternative Name:	CD248 / TEM1 (CD248 Products)

Target Details

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. **Synonyms:** CD164L1, Endosialin, Tumor endothelial marker 1

Gene ID: 57124

NCBI Accession: [NP_065137](#)

Application Details

Application Notes: ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS, 0.02 % Sodium Azide

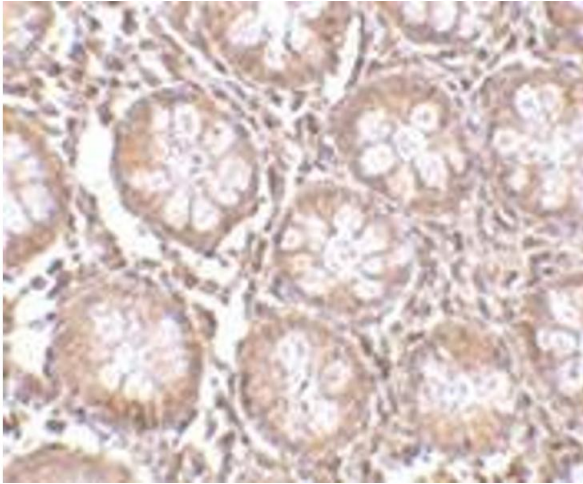
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

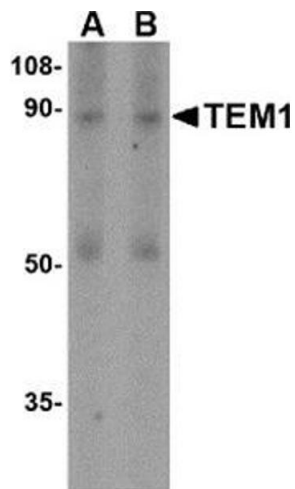
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of TEM1 in human colon tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of TEM1 in human colon tissue lysate with this product at (A) 0.5 and (B) 1 µg/ml.