

**CD248 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51768****Specification**

---

**CD248 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">O9HCU0</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80 KDa

**CD248 Antibody - Additional Information****Gene ID** 57124**Other Names**

Endosialin, Tumor endothelial marker 1, CD248, CD248, CD164L1, TEM1

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD248. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**CD248 Antibody - Protein Information****Name** CD248**Synonyms** CD164L1, TEM1**Function**

Cell surface glycoprotein involved in various biological processes including angiogenesis, immune response modulation, and tissue remodeling and repair. Participates in pericyte proliferation through positive modulation of the PDGF receptor signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/20484976" target="\_blank">20484976</a>). Acts as a scaffold for factor X, triggering allosteric changes and the spatial re-alignment of factor X with the TF-factor VIIa complex, thereby enhancing coagulation activation. Modulates the insulin signaling pathway by interacting with insulin receptor/INSR and by diminishing its capacity to be

autophosphorylated in response to insulin. Also regulates LPS-induced inflammatory response in macrophages by favoring the production of proinflammatory cytokines. In human, negatively regulates T-cell proliferation compared with stromal cells where it increases proliferation (PubMed:<a href="http://www.uniprot.org/citations/21466550" target="\_blank">21466550</a>).

**Cellular Location**

Membrane; Single-pass type I membrane protein

**Tissue Location**

Expressed in tumor endothelial cells but absent or barely detectable in normal endothelial cells. Expressed in metastatic lesions of the liver and during angiogenesis of corpus luteum formation and wound healing. Expressed in vascular endothelial cells of malignant tumors but not in normal blood vessels. Expressed in stromal fibroblasts. Strongly expressed in pericytes (PubMed:20484976) Expressed on stromal cells and cells with lymphoid morphology such a T- cells (PubMed:21466550).

**CD248 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD248 Antibody - Images****CD248 Antibody - Background**

May play a role in tumor angiogenesis.

**CD248 Antibody - References**

St Croix B.,et al.Science 289:1197-1202(2000).  
Christian S.,et al.J. Biol. Chem. 276:7408-7414(2001).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Rettig W.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:10832-10836(1992).  
Dolznic H.,et al.Cancer Immun. 5:10-10(2005).