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Cd248 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14478

Product Information

Application	WB
Primary Accession	Q91V98
Other Accession	NM_054042, NP_473383
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81813

Additional Information

Gene ID	70445
Alias Symbol	2610111G01Rik, AI842296, Cd164l1, Tem1
Other Names	Endosialin, Tumor endothelial marker 1, CD248, Cd248, Tem1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Cd248 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Cd248 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

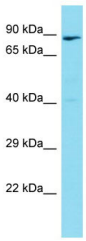
Name	Cd248
Synonyms	Tem1
Function	Cell surface glycoprotein involved in various biological processes including angiogenesis, immune response modulation, and tissue remodeling and repair (PubMed:11489895, PubMed:25243742, PubMed:38061240). Participates in pericyte proliferation through positive modulation of the PDGF receptor signaling pathway (PubMed:30986375). 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 (PubMed:33830628). Modulates the insulin signaling pathway by interacting with insulin receptor/INSR and by diminishing its capacity to be

	autophosphorylated in response to insulin (PubMed:38061240). Also regulates LPS-induced inflammatory responses in macrophages by favoring production of proinflammatory cytokines (PubMed:33737161).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed in cell lines derived from endothelial cells, embryonic fibroblasts and preadipocytes (PubMed:11489895) Expressed in skeletal muscle by a subset of pericytes (PubMed:25243742).

References

Carson-Walter E.B.,et al.Cancer Res. 61:6649-6655(2001).
Opavsky R.,et al.J. Biol. Chem. 276:38795-38807(2001).
Carninci P.,et al.Science 309:1559-1563(2005).

Images



Host: Rabbit
Target Name: Cd248
Sample Tissue: Mouse Thymus lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.