

For Research Use Only

TEM1 Polyclonal antibody

Catalog Number: 18160-1-AP **11 Publications**



Basic Information

Catalog Number: 18160-1-AP	GenBank Accession Number: BC051340	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 57124	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9HCU0	
Isotype: IgG	Full Name: CD248 molecule, endosialin	
Immunogen Catalog Number: AG12990	Calculated MW: 757 aa, 81 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells,
Cited Applications: CoIP, FC, IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

Background Information

TEM1 (Tumor endothelial marker 1), also named as CD248, Endosialin and CD164L1, is a C-type lectin-like domain (CTLD) containing type I transmembrane glycoprotein. It is now considered to be a highly selective marker for activated perivascular and stromal cells, detected in most cancers and at least some inflammatory disorders. CD248 plays a role in tumor angiogenesis. It is a potential diagnostic tool and therapeutic target of inflammatory and malignant disease. Two isoforms of human TEM1 exist. The calculated molecular weights of the two isoforms are 81 kDa and 46 kDa, respectively. Native TEM1 can be glycosylated, and the glycosylated form has a larger apparent molecular weight than 81 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Cheng-Hsiang Kuo	36401329	J Biomed Sci	WB,IHC
Shaojie Liu	35317721	Mol Med	WB,IHC,IF,FC
Fa Yang	32591411	Cancer Res	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

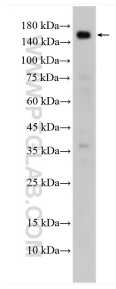
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Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 18160-1-AP (TEM1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.