

For Research Use Only

CD226 Polyclonal antibody

Catalog Number: 17842-1-AP

1 Publications



Basic Information

Catalog Number: 17842-1-AP	GenBank Accession Number: BC074787	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10666	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000150637	
Isotype: IgG	UNIPROT ID: Q15762	
Immunogen Catalog Number: AG12206	Full Name: CD226 molecule	
	Calculated MW: 336 aa, 39 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : Human peripheral blood platelets, Jurkat cells
Species Specificity: human	IHC : human tonsillitis tissue,
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CD226 (DNAM-1) is a ~65 kDa glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. CD226 mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelial cells. The protein also plays a role in megakaryocytic cell maturation. Interactions of CD226 and its ligands, CD155 and CD112, induce NK and T cell-mediated cytotoxicity and cytokine secretion (PMID: 15039383).

Notable Publications

Author	Pubmed ID	Journal	Application
Yidong Chen	37083227	Adv Sci (Weinh)	WB

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

*** 20ul sizes contain 0.1% BSA

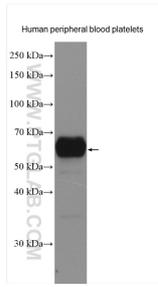
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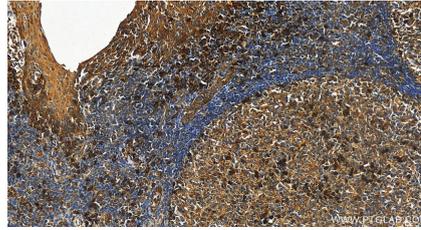
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Selected Validation Data



Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 17842-1-AP (CD226 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17842-1-AP (CD226 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).