

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 µg/ml by Nanodrop and 333 µg/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 | Full Name: CD226 molecule | |
| Isotype: IgG | Calculated MW: 336 aa, 39 kDa | |
| Immunogen Catalog Number: AG12206 | Observed MW: 65-70 kDa | |

Applications

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

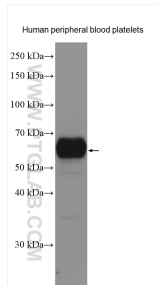
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

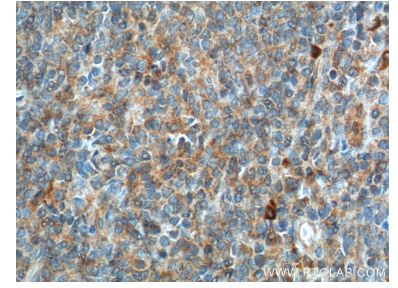
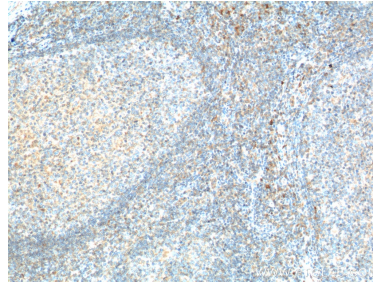
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Selected Validation Data



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 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).