

For Research Use Only

# Nectin-2/CD112 Polyclonal antibody

Catalog Number: 27171-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

27171-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG26040

### GenBank Accession Number:

BC003091

### GeneID (NCBI):

5819

### UNIPROT ID:

Q92692

### Full Name:

poliovirus receptor-related 2 (herpesvirus entry mediator B)

### Calculated MW:

58 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:3000

IHC: 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

**WB**: rat kidney tissue, HAP1 cells, Jurkat cells, mouse kidney tissue, RAW 264.7 cells

**IHC**: human tonsillitis tissue, human kidney tissue, human breast cancer tissue

**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

Nectin 2, also named as PVRL2, CD112, HVEB, PRR2 and PVRR2, is an adhesion molecule widely expressed in cell lines of different lineages, including hematopoietic, neuronal, endothelial and epithelial cells. CD112 belongs to a new family of immunoglobulin-like molecules that includes four members (CD111, CD112, PRR3 and CD155) sharing an ectodomain made of three Ig domains, of V and C types. CD112 is expressed in the myelo-monocytic and megakaryocytic hematopoietic lineages and the function in hematopoiesis is currently unknown. CD112 is an intercellular homophilic adhesion. CD112 localizes specifically at adherens junctions via its cytoplasmic interaction with the scaffold F-actin binding protein afadin. Disruption of the murine CD112 gene leads to infertility of male mice with morphologically aberrant spermatozoa. CD112 mediates entry of some alphaherpesvirus mutants (also named HveB) via its V domain. CD112 is involved in cell to cell spreading of viruses.

## Notable Publications

Author	Pubmed ID	Journal	Application
Changying Wang	31719643	Mucosal Immunol	IHC
Shen Li	35136728	J Transl Int Med	IF
Bo Pang	40238864	Sci Adv	WB, IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

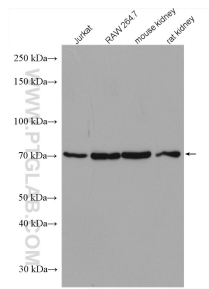
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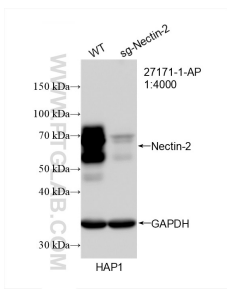
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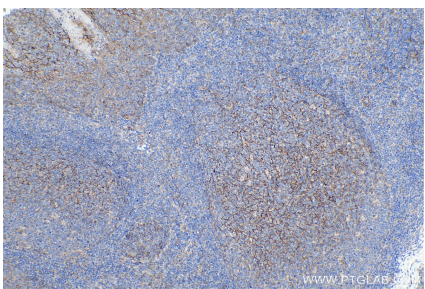
Selected Validation Data



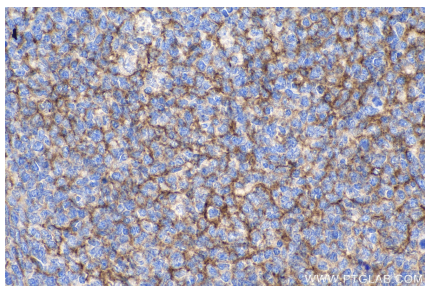
Various lysates were subjected to SDS PAGE followed by western blot with 27171-1-AP (Nectin-2/PVRL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of Nectin-2/CD112 antibody (27171-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and Nectin-2/CD112 knockout HAP1 cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27171-1-AP (Nectin-2/PVRL2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27171-1-AP (Nectin-2/PVRL2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).