

For Research Use Only

# Nectin-2/CD112 Recombinant antibody

Catalog Number: 84460-5-RR

Featured Product



## Basic Information

Catalog Number:

84460-5-RR

Concentration:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001042724.2

GeneID (NCBI):

5819

UNIPROT ID:

Q92692-2

Full Name:

poliovirus receptor-related 2  
(herpesvirus entry mediator B)

Calculated MW:

58 kDa

Observed MW:

65-75 kDa

Purification Method:

Protein A purification

CloneNo.:

241725D3

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:125-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HT-29 cells, HAP1 cells, A549 cells, MDA-MB-231 cells

IF/ICC : K-562 cells,

## 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.

## 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:

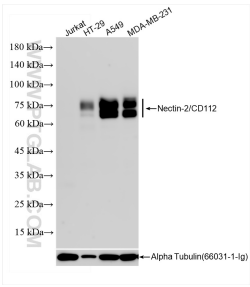
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

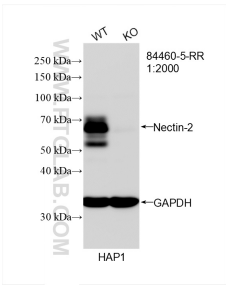
W: [ptgcn.com](http://ptgcn.com)

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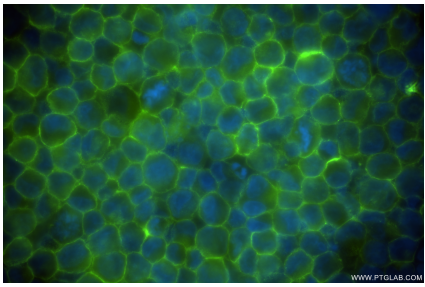
Selected Validation Data



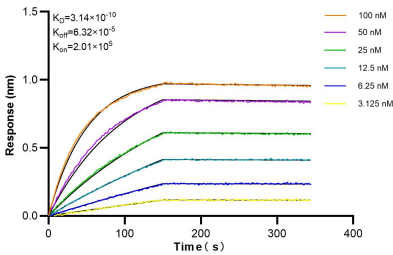
Various lysates were subjected to SDS PAGE followed by western blot with 84460-5-RR (Nectin-2/CD112 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of Nectin-2/CD112 antibody (84460-5-RR; 1:2000; room temperature for 1.5 hours) with wild-type and Nectin-2/CD112 knockout HAP1 cells.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using Nectin-2/CD112 antibody (84460-5-RR, Clone: 241725D3 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84460-5-RR against Human Nectin-2/CD112 were performed. The affinity constant is 0.314 nM.