

# Nectin-2/CD112 Polyclonal antibody

Catalog Number: 32147-1-AP

## Basic Information

**Catalog Number:**

32147-1-AP

**Size:**

500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_008990.3

**GeneID (NCBI):**

19294

**UNIPROT ID:**

P32507-1

**Full Name:**

poliovirus receptor-related 2

**Calculated MW:**

57 kDa

**Observed MW:**

65-70 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB 1:2000-1:10000

IHC 1:500-1:2000

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Species Specificity:**

mouse, rat

**Positive Controls:**

WB : C2C12 cells, NIH/3T3 cells

IHC : mouse testis 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.

## Storage

**Storage:**

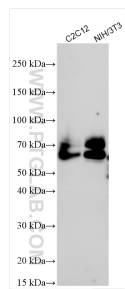
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

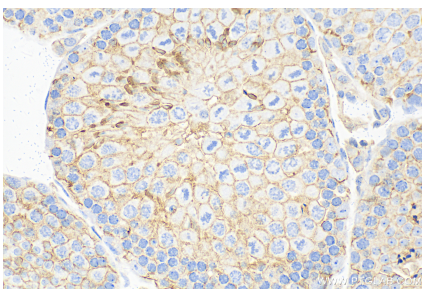
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 32147-1-AP (Nectin-2/CD112 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 32147-1-AP (Nectin-2/CD112 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).