

## Nectin 2 Rabbit mAb

Catalog No: #49959

Package Size: #49959-1 50ul #49959-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

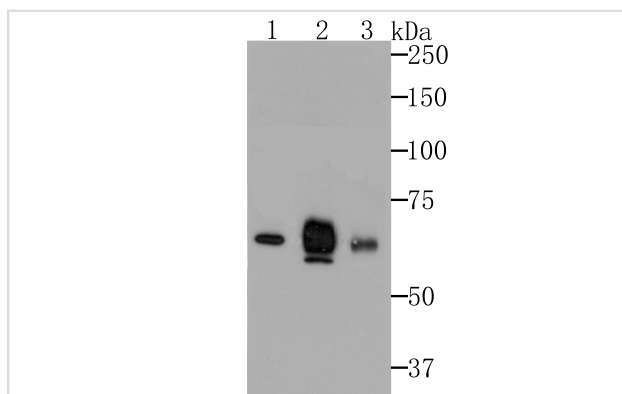
## Description

Product Name	Nectin 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG39-64
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human Nectin 2 aa 50-250.
Other Names	CD 112 antibody CD112 antibody CD112 antigen antibody Herpes virus entry mediator B antibody Herpes virus entry protein B antibody Herpesvirus entry mediator B antibody Herpesvirus entry protein B antibody Hve B antibody HveB antibody Nectin-2 antibody Nectin2 antibody Poliovirus receptor like 2 antibody Poliovirus receptor related 2 (herpesvirus entry mediator B) antibody Poliovirus receptor related 2 antibody Poliovirus receptor related protein 2 antibody Poliovirus receptor-related protein 2 antibody PRR 2 antibody PRR2 antibody PVRL 2 antibody PVRL2 antibody PVRL2_HUMAN antibody PVRR 2 antibody PVRR2 antibody
Accession No.	Swiss-Prot#:Q92692
Uniprot	Q92692
GeneID	5819;
Calculated MW	58 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

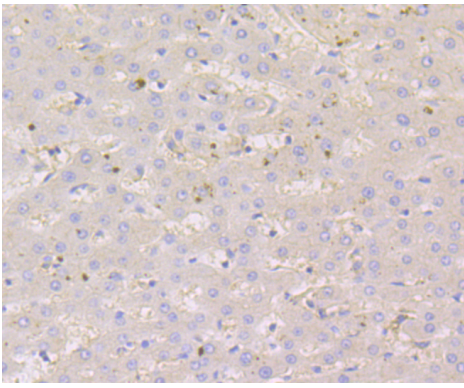
## Application Details

WB: 1:500-1:2000IHC: 1:50-1:200 ICC: 1:50FC: 1:50-1:100

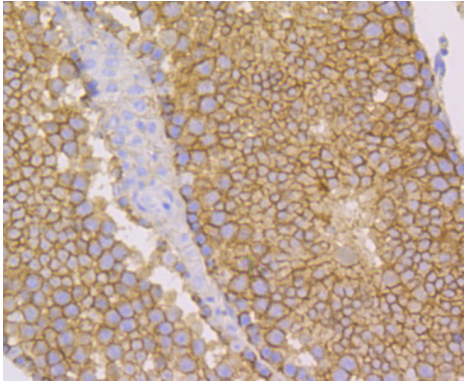
## Images



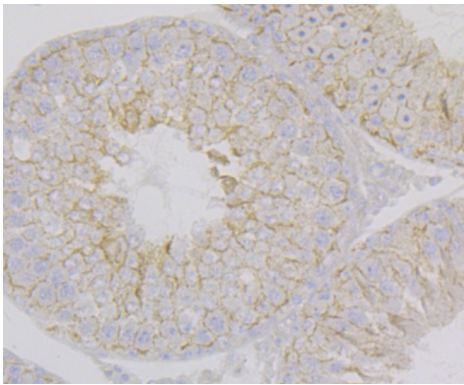
Western blot analysis of Nectin 2 on K562 (1), MCF-7 (2) and SK-OV-3 (3) cells lysates using anti-Nectin 2 antibody at 1/500 dilution.



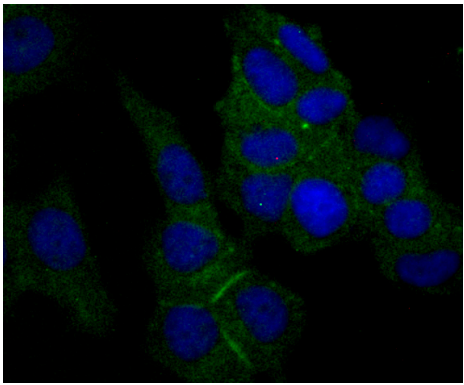
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.



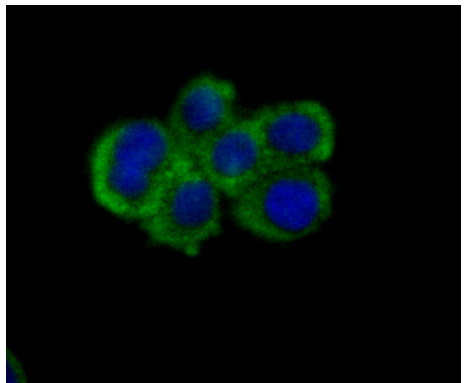
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.



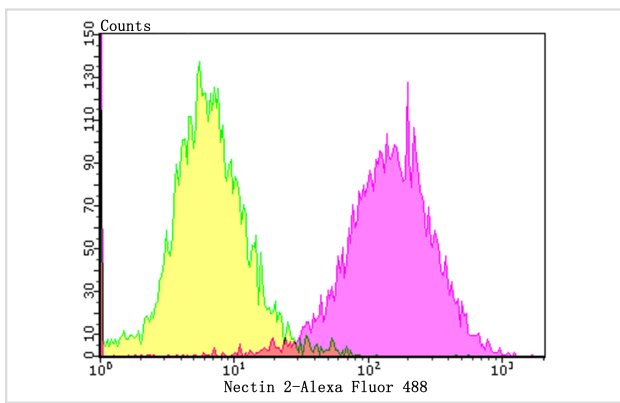
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.



ICC staining Nectin 2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Nectin 2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of LOVO cells with Nectin 2 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

## Background

Nectin is a  $\text{Ca}^{2+}$ -independent homophilic cell adhesion molecule that belongs to the immunoglobulin superfamily. Human nectin is identical to the poliovirus receptor-related protein (PRR) and has been identified as the  $\alpha$ -herpesvirus entry mediator. Nectin constitutes a family consisting of at least Nectin 1, 2 and 3; each member has two or three splicing variants. Nectin 2, also designated PRR2/HveB, is ubiquitously expressed, with the highest levels of expression in some human neuronal cell lines, fibroblastic cells, keratinocytes and primary activated T lymphocytes. Nectin 2 has two splicing variants, Nectin 2 $\alpha$  (short form) and 2 $\delta$  (long form). Both Nectin 2 $\alpha$  and 2 $\delta$  have a C-terminal conserved motif (E/A-X-Y-V). This motif interacts with the PDZ domain of the F-Actin-binding protein afadin, through which it is linked to the Actin cytoskeleton. The extracellular regions of the splicing variants are identical, but their transmembrane regions and cytoplasmic regions are unique. Nectin 2 mediates the entry of three mutant herpes simplex virus type 1 (HSV-1) strains that do not use HveA as co-receptor, but not wildtype HSV-1 strains. Nectin 2 also mediates the entry of HSV-2 and pseudorabies virus, but not bovine herpes virus type 1. Nectin 2 $\delta$  is tyrosine phosphorylated in response to cell-cell adhesion.

## References

Note: This product is for in vitro research use only