

## Anti-NECTIN2 Antibody (7R662)

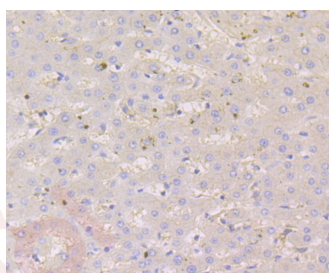
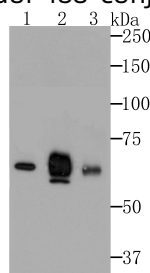
### Product Details

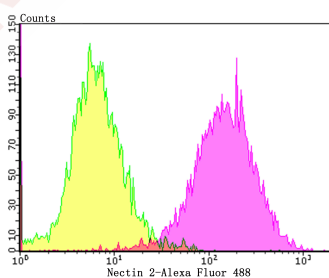
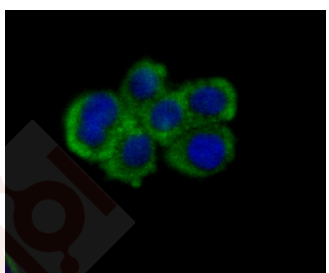
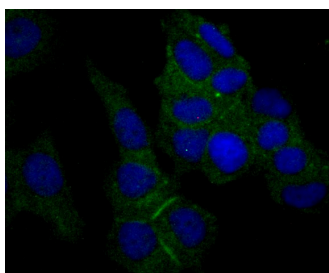
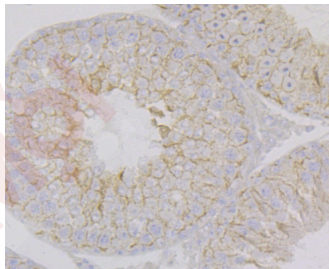
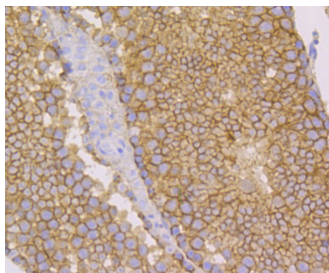
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 58 kDa.
Clone:	7R662
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-Nectin 2 antibody. Counter stained with hematoxylin.
5. 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.
6. 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.
7. 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.





Application: FCM, ICC, IF, IHC, WB

Recommended WB: 1:500-2000; IHC: 1:50-200; ICC: 1:50; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: human Nectin 2 aa 50-250
Antigen Species:	Human
Uniprot ID:	Q92692
Synonyms:	Herpes virus entry mediator B;Nectin-2;Poliovirus receptor-related protein 2;Nectin cell adhesion molecule 2

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### Research Background

Nectin is a Ca<sup>2+</sup>-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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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