

## Nectin 2 polyclonal antibody

Catalog: BS90923

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

58 kDa

### Swiss-Prot:

Q92692(Human) P32507(Mouse) Q5FVC5(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2000

ICC:1:50

IHC:1:50-1:200

FC:1:50-1:100

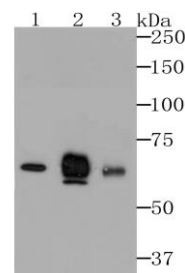
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

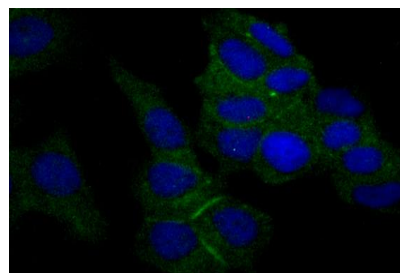
### Specificity:

Nectin 2 polyclonal antibody detects endogenous levels of Nectin 2 protein.

### DATA:



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.



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.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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