

## Neuropilin-1 polyclonal antibody

Catalog: BS90932

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Neuropilin is a type I transmembrane receptor that has been implicated in aspects of axon growth and guidance and has been shown to act as a high affinity receptor for class III semaphorins and vascular endothelial growth factor (VEGF). A closely related protein, neuropilin-2, shares a common domain structure and significant homology with neuropilin and also acts as a receptor for the class III semaphorins and VEGF. Both neuropilins are involved in regulating many physiological pathways including axonal guidance and angiogenesis, however they exhibit differential expression in the adult vasculature. Neuropilin-2 is polysialylated and expressed on the surface of dendritic cells. It is also expressed by venous and lymphatic endothelium. Neuropilin is expressed predominantly by arterial endothelium.

### Product:

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

### Molecular Weight:

120 kDa

### Swiss-Prot:

O14786(Human) P97333(Mouse) Q9QWJ9(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

### Storage&Stability:

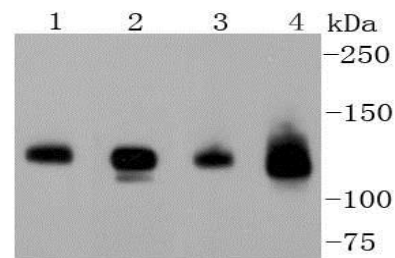
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

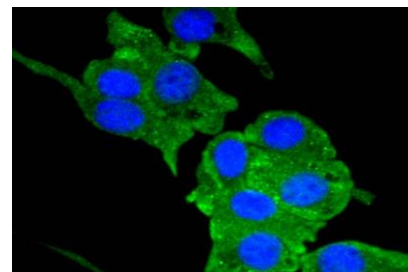
### Specificity:

Neuropilin-1 polyclonal antibody detects endogenous levels of Neuropilin-1 protein.

### DATA:



Western blot analysis of Neuropilin-1 on different lysates using anti-Neuropilin-1 antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse heart Lane 2: Mouse liver Lane 3: Mouse kidney Lane 4: Human liver



ICC staining Neuropilin-1 in SHG-44 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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