



Rabbit Anti-Human NRP1 (Phospho T916) Polyclonal Antibody (CABT-CS457)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------------|---|
| Specificity | This antibody recognizes ~130 kDa of human Neuropilin1 protein at the phosphorylation site of Thr 916. It does not cross react to non-phospho Neuropilin 1. The other species are not tested. |
| Target | NRP1 |
| Immunogen | A synthetic peptide surrounding the epitope -LNTQS- with a phosphorylation site at Thr916. This sequence is identical among human and bovine. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Bovine |
| Purification | The Rabbit IgG is purified by site-modified Epitope Affinity Purification. |
| Conjugate | unconjugated |
| Applications | IHC (P), WB, ELISA, IP |
| Format | Liquid |
| Size | 100 µg |
| Buffer | This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer |
| Preservative | None |
| Storage | The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. |

Avoid repeated freezing-thawing cycles.

BACKGROUND

Introduction

The neuropilin-1 (Nrp1) is a multifunctional protein, identified principally as a receptor for the class 3 semaphorins and members of the vascular endothelial growth factor (VEGF) family, but it is capable of other interactions. It is a marker of regulatory T cells (Tr), which often carry Nrp1 and latency-associated peptide (LAP)-TGF-beta1 (the latent form). Nrp1 is reported to be expressed in breast cancer cells. The ischemia can increase neuropilin 1 protein expression in experimental rat brain as well. The phosphorylation of Nrp1 is essential for the Nrp1 activation.

Keywords

NRP1; neuropilin 1; NRP; BDCA4; CD304; VEGF165R; neuropilin-1; transmembrane receptor
