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Product datasheet for TA354848

Neuropilin 1 (NRP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding the epitope –LNTQS- with a phosphorylation site at Thr916. This sequence is identical among human and bovine.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	130 kDa
Gene Name:	neuropilin 1
Database Link:	NP_001019799 Entrez Gene 8829 Human O14786
Background:	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.
Synonyms:	BDCA4; CD304; NP1; NRP; VEGF165R

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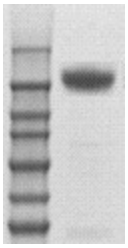
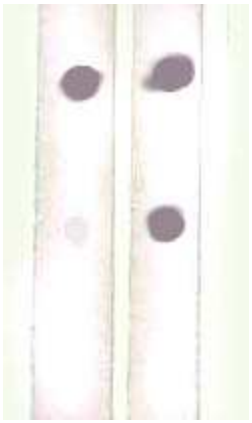
Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Axon guidance

Product images:



WB: The 4 mg protein of whole tissue lysates derived from human brain were immunoprecipitated by 4 ug of Rabbit antiNeuropilin1 (pThr916), and probed by the same antibody at 1:1000. An immunoreactive band at ~130kDa was observed.



DB: 1 ug peptide was blot onto NC membrane A:Neuropilin1 (Phosphospecific peptide at pT916) B: Neuropilin1 (Nonphospho PP); C: Non-related phosphospecific PP were blotted at a 1:1000 dilution by: 1: Rabbit anti-Neuropilin1 (pT916); 2: Rabbit anti-Neuropilin1 (paired T916)