

AB-NN604-1

NRP1[293-309] Antibody

Pan-specific rabbit polyclonal antibody for NRP1 (CD304)



KINEXUS

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Target Protein

Protein Name Long:	Neuropilin-1
Protein Alias:	CD304; Neuropilin 1; Neuropilin-1; NRP; Transmembrane receptor; Vascular endothelial cell growth factor 165 receptor; VEGF165R
UniProt ID:	O14786
Protein Molecular Mass:	103,134 Da (923 AA)

Immunogen

Antibody Immunogen Source:	Synthetic peptide patterned after human NRP1
Antibody Immunogen Sequence:	CASSQYSTNWSAERSRLN
Antibody Immunogen Description:	Corresponds to amino acid residues A293 to N309.
Antibody Target Type:	Pan-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 µg
Antibody Concentration:	0.3 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Rhesus macaque Dog Rat Mouse Platypus Chicken Frog Zebra fish

This product is for in vitro research use only and is not intended for use in humans or animals.

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