



Anti-NRP1 (aa 294-308) polyclonal antibody (DPAB3219RH)

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

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to human Natriuretic Peptide Receptor A (aa 294-308)
Antigen Description	Natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A), also known as NPR1, is an atrial natriuretic peptide receptor. In humans it is encoded by the NPR1 gene. NPR1 is a membrane-bound guanylate cyclase that serves as the receptor for both atrial and brain natriuretic peptides (ANP and BNP, respectively). It is localized in the kidney where it results in natriuresis upon binding to natriuretic peptides. However, it is found in even greater quantity in the lungs and adipocytes.
Specificity	Synthetic human NPR-A (aa 294-308)
Immunogen	Synthetic human NPR-A (aa 294-308) KLH conjugated. (LKQLKHLAYEQFNFT)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, IH
Concentration	20 µl / 100 µl (lyophilized). Resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided

GENE INFORMATION

Gene Name	NRP1 neuropilin 1 [Homo sapiens]
Official Symbol	NRP1
Synonyms	neuropilin 1; DKFZp781F1414; NP1; VEGF165R; OTTHUMP00000020818; CD304; OTTHUMP00000020819; Vascular endothelial cell growth factor 165 receptor; neuropilin-1; BDCA4; transmembrane receptor; DKFZp686A03134; CD304 antigen; NRP; OTTHUMP00000020820; OTTHUMP00000020821; OTTHUMP00000020822
Entrez Gene ID	8829
Protein Refseq	NP_001019799
UniProt ID	O14786
Chromosome Location	10p12
Pathway	Axon guidance; CHL1 interactions; CRMPs in Sema3A signaling; HTLV-I infection.
Function	growth factor binding; heparin binding; metal ion binding; protein binding; receptor activity; semaphorin receptor activity; vascular endothelial growth factor receptor activity