Product Name: Neuropilin 1 Rabbit Polyclonal Antibody
Catalog #: APRab00522

Summary

Production Name	Neuropilin 1 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	NRP1
Alternative Names	NRP1; NRP; VEGF165R; Neuropilin-1; Vascular endothelial cell growth factor 165 receptor; CD antigen CD304
Gene ID	8829
SwissProt ID	O14786

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 103 kDa; Observed MW: 100 kDa

Background

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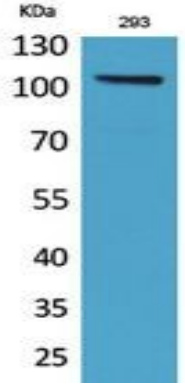
The membrane-bound isoform 1 is a receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. It mediates the chemorepulsant activity of semaphorins. It binds to semaphorin 3A, The PLGF-2 isoform of PGF, The VEGF-165 isoform of VEGF and VEGF-B. Coexpression with KDR results in increased VEGF-165 binding to KDR as well as increased chemotaxis. It may regulate VEGF-induced angiogenesis.The soluble isoform 2 binds VEGF-165 and appears to inhibit its binding to cells.

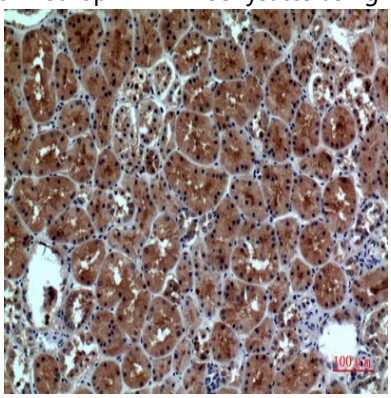
Research Area

Cardiovascular

Image Data



Western blot analysis of Neuropilin 1 in 293 lysates using Neuropilin 1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human kidney using Neuropilin 1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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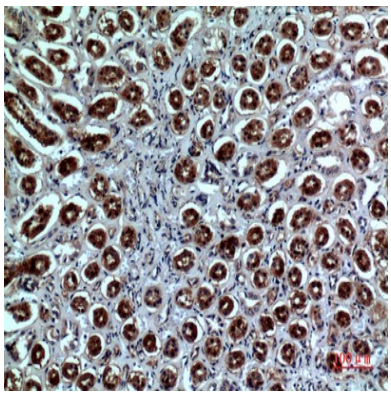

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Note

For research use only.