

## NEUROPILIN 1 RABBIT PAB

**Cat.#:** N225068

**Product Name:** Anti-Neuropilin 1 Rabbit pAb

**Synonyms:** NRPI; NRP; VEGF165R; Neuropilin-1; Vascular endothelial cell growth factor 165 receptor; CD antigen CD304

**UNIPROT ID:** O14786

**Background:** 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.

**Immunogen:** The antiserum was produced against synthesized peptide derived from the Internal region of human NRPI. AA range:321-370

**Applications:** WB,IHC-P,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 103 kDa; Observed MW: 100 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat

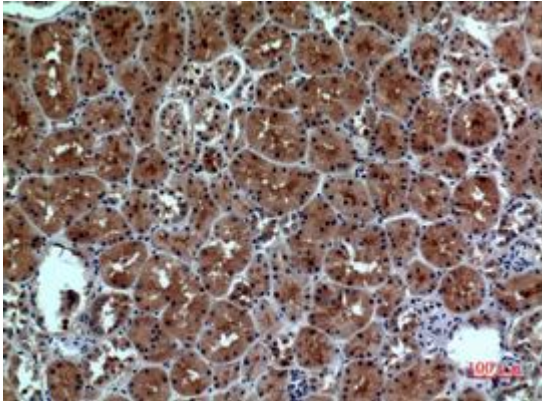
**Conjugation:** Unconjugated

**Modification:** Unmodified

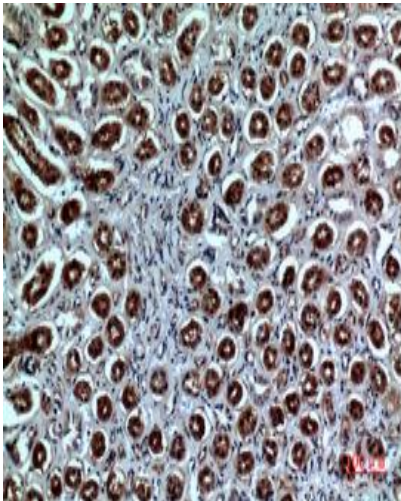
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cardiovascular

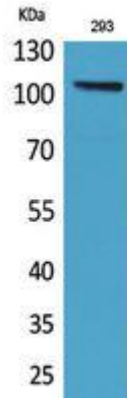
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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