



Rabbit Anti-Neuropilin 2/NRP2 antibody

SL10241R

Product Name:	Neuropilin 2/NRP2
Chinese Name:	神经纤毛蛋白2抗体
Alias:	NRP2; MGC126574; Neuropilin 2; Neuropilin-2; Neuropilin2; NP 2; NP2; NPN 2; NPN2; NRP 2; nrp2; PRO2714; Receptor for VEGF165 and semaphorins class3; Vascular endothelial growth factor 165 receptor 2; VEGF1265R2; NRP2_HUMAN; Vascular endothelial growth factor 165 receptor 2; VEGF165R2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	99kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Neuropilin 2:501-600/931<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein

{sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Function:

High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF.

Subunit:

Heterodimer with NRP1. Binds PLXNB1.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the neuropilin family.

Contains 2 CUB domains.

Contains 2 F5/8 type C domains.

Contains 1 MAM domain.

SWISS:

O60462

Gene ID:

8828

Database links:

[Entrez Gene: 8828](#) Human

[Entrez Gene: 18187](#) Mouse

[Entrez Gene: 81527](#) Rat

[Entrez Gene: 374157](#) Chicken

[Entrez Gene: 541004](#) Cow

[Omim: 602070](#) Human

[SwissProt: O60462](#) Human

[SwissProt: O35375](#) Mouse

[SwissProt: O35276](#) Rat

[Unigene: 471200](#) Human

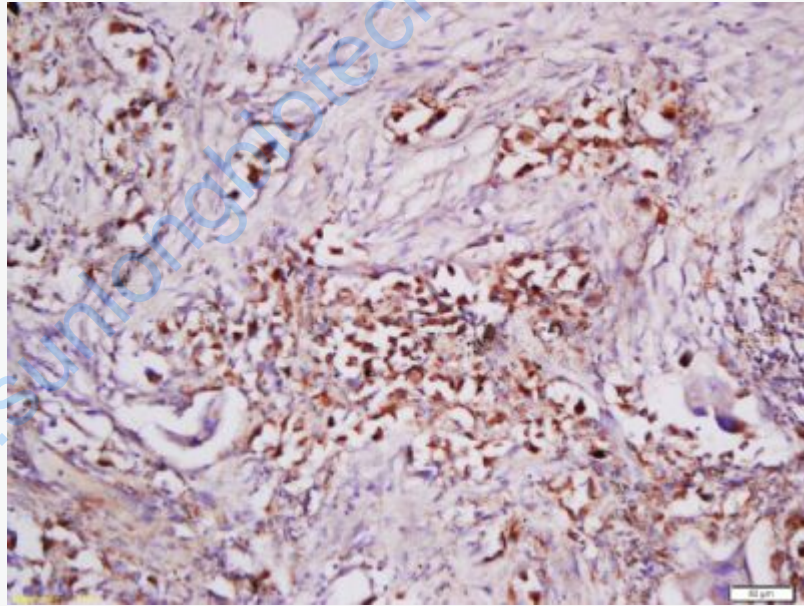
[Unigene: 266341](#) Mouse

[Unigene: 10816](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Neuropilin 2/NRP2 Polyclonal Antibody,

	Unconjugated(SL10241R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
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