

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.
Research Area	Cell biology Neurobiology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, (predicted: Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,) IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	99kDa
Cellular localization	The cell membrane
Form	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
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

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.

**Product
Detail**

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

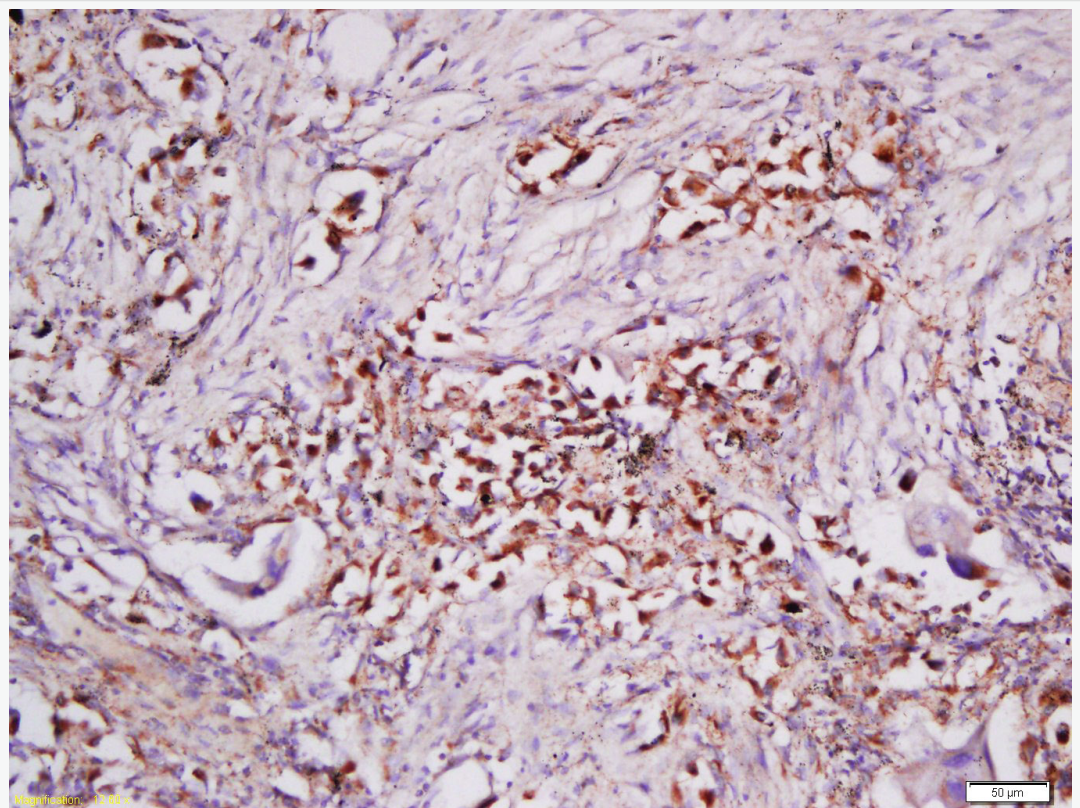
[SwissProt: O35276](#) Rat

[Unigene: 471200](#) Human

[Unigene: 266341](#) Mouse

[Unigene: 10816](#) Rat

**Product
Picture**



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

paraffin-embedded;

Antigen retrieval: citrate buffer (1M, 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