

Product datasheet for **TA323407**

Neuropilin 1 (NRP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human esophagus cancer Predicted cell location: cytoplasm, Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human neuropilin 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	neuropilin 1
Database Link:	NP_003864 Entrez Gene 18186 Mouse Entrez Gene 246331 Rat Entrez Gene 8829 Human O14786



[View online »](#)

Background:

This gene encodes one of two neuropilins; which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain; made up of complement-binding; coagulation factor V/VIII; and meprin domains. These proteins also contains a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival; migration; and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

Synonyms:

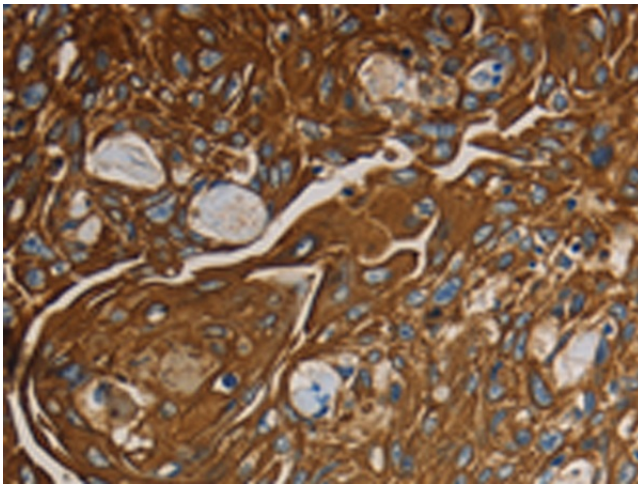
BDCA4; CD304; NP1; NRP; VEGF165R

Protein Families:

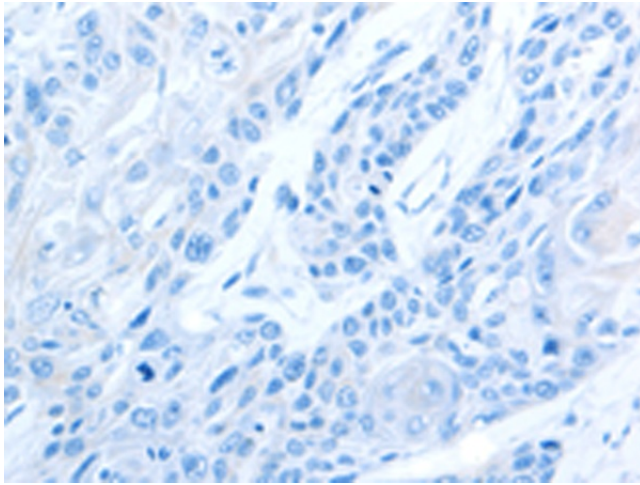
Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

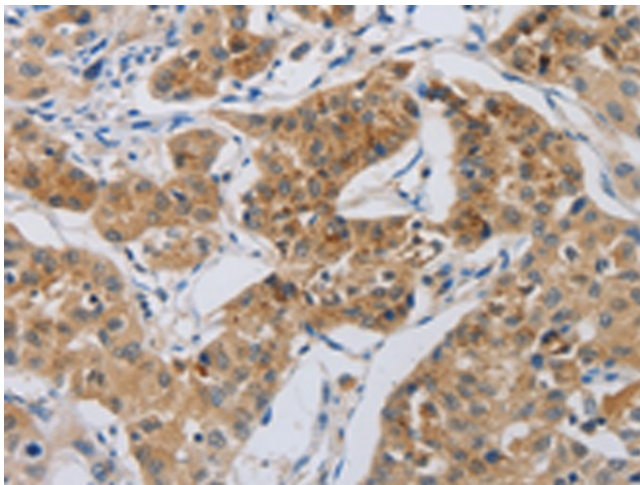
Axon guidance

Product images:

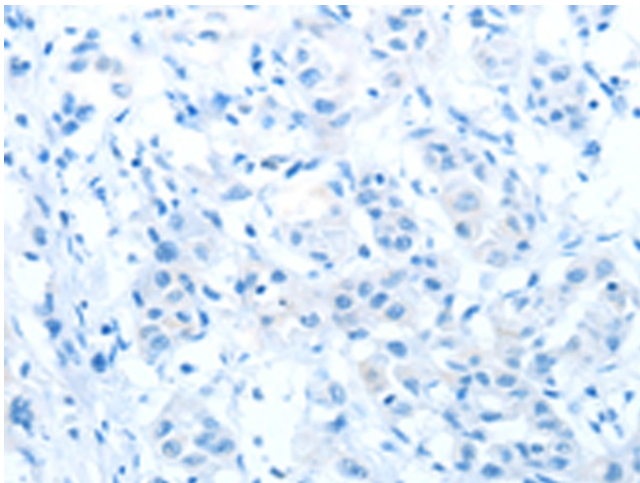
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323407 (NRP1 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA323407 (NRP1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323407 (NRP1 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323407 (NRP1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)