10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Neuropilin-2 Antibody (C-term K813)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11578b

Product Information

Application	WB, E
Primary Accession	O60462
Other Accession	NP_003863.2, NP_957719.1, NP_061004.3, NP_957718.1, NP_958436.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19998
Calculated MW	104831
Antigen Region	798-827

Additional Information

Gene ID	8828
Other Names	Neuropilin-2, Vascular endothelial cell growth factor 165 receptor 2, NRP2, VEGF165R2
Target/Specificity	This Neuropilin-2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 798-827 amino acids from the C-terminal region of human Neuropilin-2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Neuropilin-2 Antibody (C-term K813) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NRP2
Synonyms	VEGF165R2

Function	High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF.
Cellular Location	Membrane; Single- pass type I membrane protein

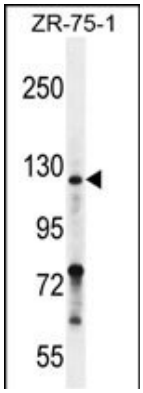
Background

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.

References

Rey-Gallardo, A., et al. Glycobiology 20(9):1139-1146(2010)
Geretti, E., et al. Mol. Cancer Res. 8(8):1063-1073(2010)
Guo-ping, W., et al. Ann Plast Surg 65(1):80-84(2010)
Nasarre, C., et al. Cell Adh Migr 3(4):383-389(2009)
Fassold, A., et al. Arthritis Rheum. 60(10):2892-2901(2009)

Images



Neuropilin-2 Antibody (C-term K813) (Cat. #AP11578b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the Neuropilin-2 antibody detected the Neuropilin-2 protein (arrow).

Citations

- Secreted meningeal chemokines, but not VEGFA, modulate the migratory properties of medulloblastoma cells.
- Label-free quantitative proteomic analysis of benzo(a)pyrene-transformed 16HBE cells serum-free culture supernatant and xenografted nude mice sera.

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