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NRP2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant NRP2.
Catalog # AT3116a

Product Information

Application	WB, E
Primary Accession	O60462
Other Accession	NM_201279
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B8
Calculated MW	104831

Additional Information

Gene ID	8828
Other Names	Neuropilin-2, Vascular endothelial cell growth factor 165 receptor 2, NRP2, VEGF165R2
Target/Specificity	NRP2 (NP_958436, 621 a.a. ~ 715 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NRP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

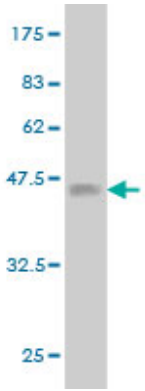
Background

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.

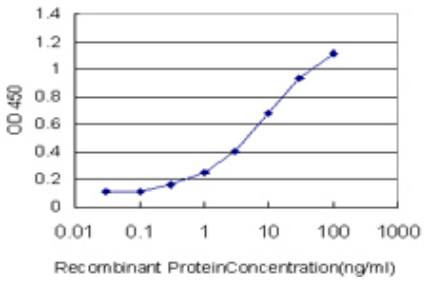
References

Neuropilin-2 acts as a modulator of Sema3A-dependent glioma cell migration. Nasarre C, et al. Cell Adh Migr, 2009 Oct. PMID 19855168.Soluble neuropilin-2, a nerve repellent receptor, is increased in rheumatoid arthritis synovium and aggravates sympathetic fiber repulsion and arthritis. Fassold A, et al. Arthritis Rheum, 2009 Oct. PMID 19790074.Neuropilin-1 and neuropilin-2 are differentially expressed in human proteinuric nephropathies and cytokine-stimulated proximal tubular cells. Schramek H, et al. Lab Invest, 2009 Nov. PMID 19736548.Neuropilin-2 expression in breast cancer: correlation with lymph node metastasis, poor prognosis, and regulation of CXCR4 expression. Yasuoka H, et al. BMC Cancer, 2009 Jul 7. PMID 19580679.Common body mass index-associated variants confer risk of extreme obesity. Cotsapas C, et al. Hum Mol Genet, 2009 Sep 15. PMID 19553259.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.19 KDa) .



Detection limit for recombinant GST tagged NRP2 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.