

NRP2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant NRP2.****Catalog # AT3116a****Specification**

NRP2 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O60462
Other Accession	NM_201279
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	104831

NRP2 Antibody (monoclonal) (M01) - 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.

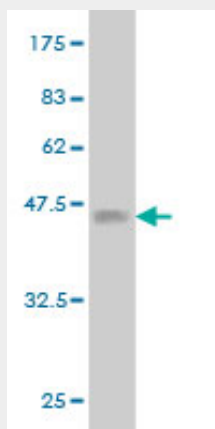
NRP2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

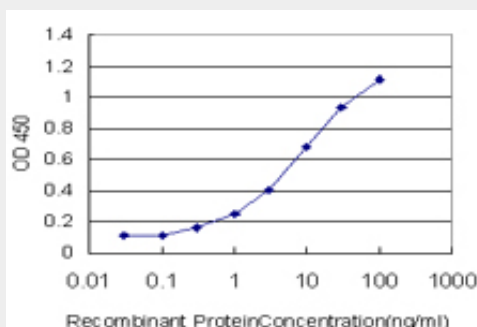
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NRP2 Antibody (monoclonal) (M01) - 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.

NRP2 Antibody (monoclonal) (M01) - 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.

NRP2 Antibody (monoclonal) (M01) - 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.