

**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 | <a href="#">O60462</a>    |
| Other Accession   | <a href="#">NM_201279</a> |
| 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

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

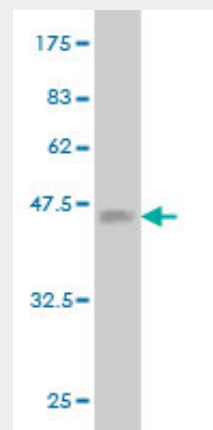
**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

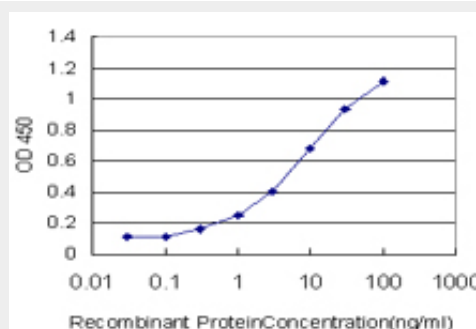
**Precautions**

NRP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

**NRP2 Antibody (monoclonal) (M01) - Protocols**



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

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](#)

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.