

**NRP1 Antibody (monoclonal) (M05)**

Mouse monoclonal antibody raised against a partial recombinant NRP1.

Catalog # AT3115a

**Specification**

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**NRP1 Antibody (monoclonal) (M05) - Product Information**

Application	IP, WB, E
Primary Accession	<a href="#">O14786</a>
Other Accession	<a href="#">NM_003873</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	103134

**NRP1 Antibody (monoclonal) (M05) - Additional Information****Gene ID** 8829**Other Names**

Neuropilin-1, Vascular endothelial cell growth factor 165 receptor, CD304, NRP1, NRP, VEGF165R

**Target/Specificity**

NRP1 (NP\_003864, 22 a.a. ~ 132 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**

NRP1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

**NRP1 Antibody (monoclonal) (M05) - Protocols**

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

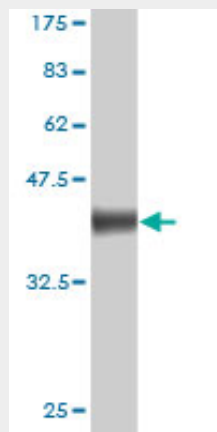
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

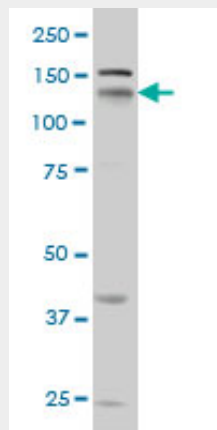
### NRP1 Antibody (monoclonal) (M05) - Images



Immunoprecipitation of NRP1 transfected lysate using anti-NRP1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with NRP1 MaxPab rabbit polyclonal antibody.

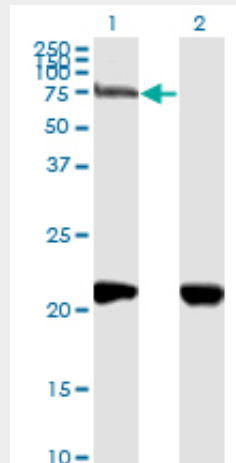


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .



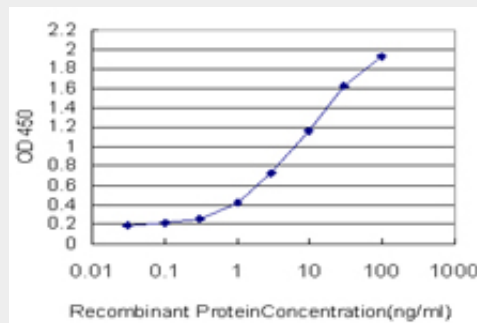
NRP1 monoclonal antibody (M05), clone 1B3 Western Blot analysis of NRP1 expression in HeLa (

(Cat # AT3115a )



Western Blot analysis of NRP1 expression in transfected 293T cell line by NRP1 monoclonal antibody (M05), clone 1B3.

Lane 1: NRP1 transfected lysate(68.3 KDa).  
 Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NRP1 is approximately 0.03ng/ml as a capture antibody.

### **NRP1 Antibody (monoclonal) (M05) - Background**

NRP1 is a membrane-bound coreceptor to a tyrosine kinase receptor for both vascular endothelial growth factor (VEGF; MIM 192240) and semaphorin (see SEMA3A; MIM 603961) family members. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.

### **NRP1 Antibody (monoclonal) (M05) - References**

1.Adjuvant effects of formalin-inactivated HSV through activation of dendritic cells and inactivation of myeloid-derived suppressor cells in cancer immunotherapy.Ohkusu-Tsukada K, Ohta S, Kawakami Y, Toda M.Int J Cancer. 2010 Mar 15. [Epub ahead of print]2.EXTRACELLULAR AND MEMBRANE-ASSOCIATED PROSTATE CANCER MARKERSKlee, George G. ;Vasmatzis, George;Kosari, Farhad;Klee, Eric W.FreshPatents.com