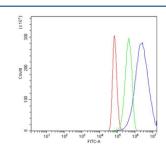


# NRP1 Antibody / Neuropilin 1 [clone 8G6G7] (RQ7017)

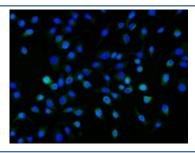
Catalog No.	Formulation	Size
RQ7017	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

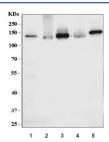
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	8G6G7
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14786
Localization	Cytoplasmic
Applications	Western Blot: 0.5-1 ug/ml Immunofluorescence: 5ug/ml Flow Cytometry: 1-3ug/million cells
Limitations	This NRP1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with NRP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NRP1 antibody.



Immunofluorescent staining of FFPE human A549 cells with NRP1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human placenta, 2) human U-87 MG, 3) human PC-3, 4) human MCF7 and 5) rat stomach lysate with NRP1 antibody. Expected molecular weight: 102-130 kDa.

## **Description**

This gene encodes one of two neuropilins, which contain specific protein domains which allow them to participate in several different types of signaling pathways that control cell migration. Neuropilins contain a large N-terminal extracellular domain, made up of complement-binding, coagulation factor V/VIII, and meprin domains. These proteins also contain a short membrane-spanning domain and a small cytoplasmic domain. Neuropilins bind many ligands and various types of co-receptors; they affect cell survival, migration, and attraction. Some of the ligands and co-receptors bound by neuropilins are vascular endothelial growth factor (VEGF) and semaphorin family members. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

### **Application Notes**

Optimal dilution of the NRP1 antibody should be determined by the researcher.

#### **Immunogen**

Recombinant human protein (amino acids K504-T827) was used as the immunogen for the NRP1 antibody.

#### **Storage**

After reconstitution, the NRP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.