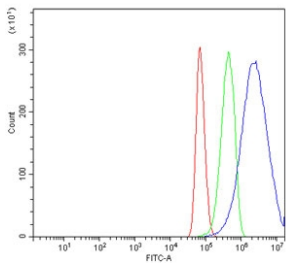
NRP1 Antibody / Neuropilin 1 [clone 8G6G7] (RQ7017)

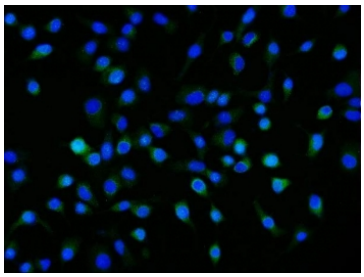
Catalog No.	Formulation	Size
RQ7017	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

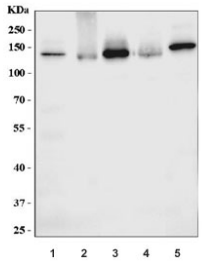
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	8G6G7
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14786
Localization	Cytoplasmic
Applications	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.

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