

For Research Use Only

# CoraLite® Plus 488-conjugated Neuropilin 1/CD304 Recombinant monoclonal antibody

Catalog Number: CL488-84429-5



## Basic Information

Catalog Number:

CL488-84429-5

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2331

GenBank Accession Number:

BC007533

GeneID (NCBI):

8829

UNIPROT ID:

O14786

Full Name:

neuropilin 1

Observed MW:

130-140 kDa

Purification Method:

Protein A purification

CloneNo.:

241812G11

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : PC-3 cells,

## Background Information

Neuropilin-1 (NRP1) is a 130-140 kDa transmembrane glycoprotein expressed by endothelial, dendritic, and regulatory T cells, as well as several other normal cell types and malignant tumor cells. NRP1 was first identified as a semaphorin (SEMA) receptor, involved in axonal guidance in embryonic development. NRP1 was also shown to act as a receptor for vascular endothelial growth factor (VEGF) and a promoter of angiogenesis through its interaction with VEGF-A165 (and other VEGFs) and the receptor tyrosine kinase (RTK) VEGF-R2. NRP1 plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

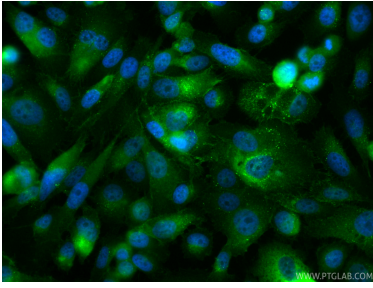
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using CoraLite® Plus 488 Neuropilin 1/CD304 antibody (CL488-84429-5, Clone: 241812G11) at dilution of 1:200.