

For Research Use Only

CoraLite® Plus 488-conjugated Neurotrophin 4 Polyclonal antibody



Catalog Number: CL488-12297

Featured Product

Basic Information

Catalog Number:

CL488-12297

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2938

GenBank Accession Number:

BC012421

GeneID (NCBI):

4909

UNIPROT ID:

P34130

Full Name:

neurotrophin 4

Calculated MW:

210 aa, 22 kDa

Observed MW:

70-80 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF 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 : PC-3 cells,

Background Information

Neurotrophin 4 (NT-4) belongs to the family of neurotrophic factors, and it interacts with the tyrosine kinase B (trkB) receptor. NT-4 has neuroprotective effects following cerebral ischemia. Its role might be similar to brain-derived neurotrophic factor (BDNF) because both interact with trkB. Exercise also improves neural function by increasing neurotrophic factors. NT-4 exists in two forms, either as a dimer (80 kDa) or as a monomer (40-47 kDa) (PMID: 23526925).

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

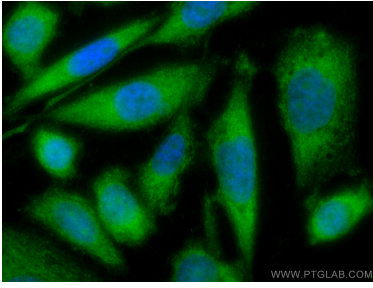
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using CoraLite® Plus 488 Neurotrophin 4 antibody (CL488-12297) at dilution of 1:200.