

For Research Use Only

Neurotrophin 4 Polyclonal antibody

Catalog Number:12297-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

12297-1-AP

Size:

150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

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:

WB 1:500-1:3000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, CoIP, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: A431 cells, mouse brain tissue, rat brain tissue, rat cerebellum tissue, rat kidney tissue

IF/ICC: PC-3 cells, SH-SY5Y 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhou Yang	31190895	Onco Targets Ther	WB
Zhou Yang	32236587	Int J Oncol	WB,IHC,IF,CoIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

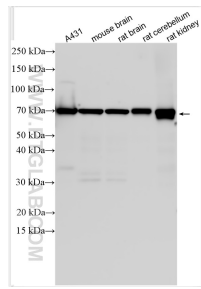
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

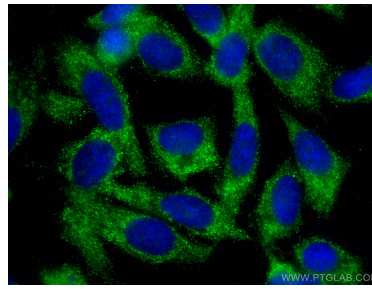
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12297-1-AP (Neurotrophin 4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using Neurotrophin 4 antibody (12297-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).