

For Research Use Only

CNTFR Polyclonal antibody

Catalog Number: 10796-1-AP

2 Publications



Basic Information

Catalog Number:

10796-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1189

GenBank Accession Number:

BC001492

GeneID (NCBI):

1271

UNIPROT ID:

P26992

Full Name:

ciliary neurotrophic factor receptor

Calculated MW:

41 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, human brain tissue, mouse cerebellum tissue, SH-SY5Y cells, rat brain tissue

IHC : mouse brain tissue, human heart tissue

Background Information

Ciliary neurotrophic factor (CNTF) is a pluripotent neurocytokine. The functional receptor complex of CNTF is composed of the CNTF receptor alpha (CNTFR), gp130 and the leukemia inhibitory factor receptor (LIFR) (PMID: 11943154). Binding of CNTF to CNTFR recruits gp130 and LIFR, which leads to activation of JAK/STAT and Ras/Raf/MAPK pathways.

Notable Publications

Author	Pubmed ID	Journal	Application
Bin Yu	34220506	Front Pharmacol	WB
Sonia Infante-Tadeo	39764003	bioRxiv	WB

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

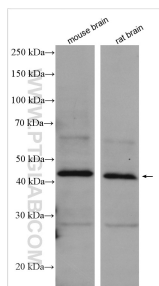
For technical support and original validation data for this product please contact:

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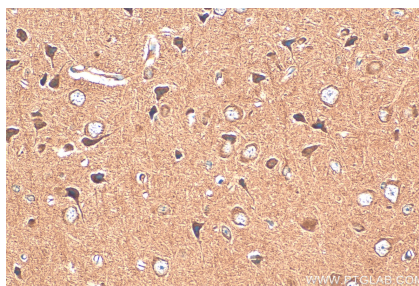
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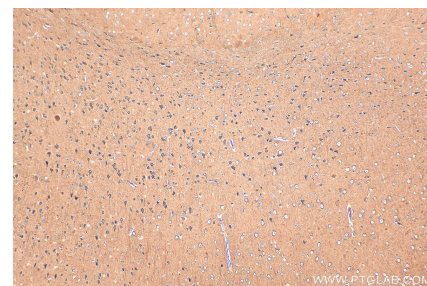
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10796-1-AP (CNTFR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10796-1-AP (CNTFR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10796-1-AP (CNTFR antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).