

For Research Use Only

CNTFR Polyclonal antibody

Catalog Number: 10796-1-AP **1 Publications**



Basic Information

Catalog Number: 10796-1-AP	GenBank Accession Number: BC001492	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 1271	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	Full Name: ciliary neurotrophic factor receptor	
Isotype: IgG	Calculated MW: 41 kDa	
Immunogen Catalog Number: AG1189	Observed MW: 45-50 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

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

Storage

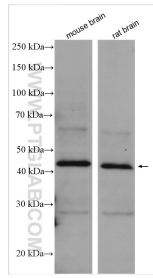
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

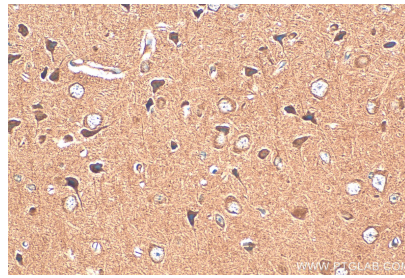
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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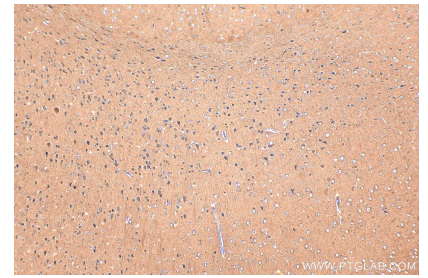
Selected Validation Data



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).