

For Research Use Only

p75NTR Polyclonal antibody

Catalog Number: 55014-1-AP **24 Publications**



Basic Information

Catalog Number:

55014-1-AP

Size:

980 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002507

GeneID (NCBI):

4804

UNIPROT ID:

P08138

Full Name:

nerve growth factor receptor (TNFR superfamily, member 16)

Calculated MW:

45 kDa

Observed MW:

70-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

FC, IHC, IP, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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, rat brain tissue

IP: mouse brain tissue,

IHC: mouse brain tissue, human spleen tissue, human prostate hyperplasia tissue

Background Information

NGFR, also named as TNFRSF16, Gp80-LNGFR, p75 ICD and CD271, is a low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. It mediates cell survival as well as cell death of neural cells. The antibody is specific to NGFR.

Notable Publications

Author	Pubmed ID	Journal	Application
Gaofeng Zhan	30259075	Psychopharmacology (Berl)	WB
Yaling Zhang	36233452	J Clin Med	WB
Haoye Zhang	36397300	Cell Mol Gastroenterol Hepatol	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

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

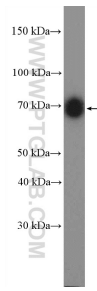
T: 4006900926

E: Proteintech-CN@ptglab.com

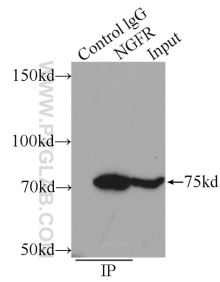
W: ptgcn.com

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

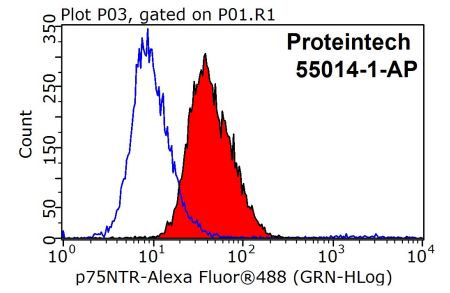
Selected Validation Data



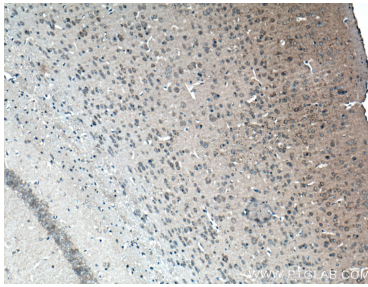
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55014-1-AP (p75NTR antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



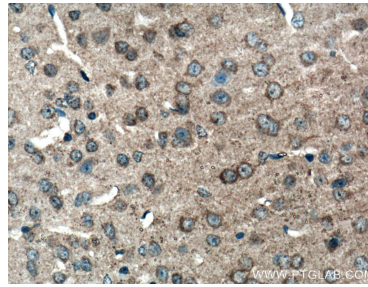
IP result of anti-p75NTR (IP:55014-1-AP, 3ug; Detection:55014-1-AP 1:300) with mouse brain tissue lysate 5000ug.



1X10⁶ SH-SY5Y cells were stained with 0.2ug p75NTR antibody (55014-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55014-1-AP (p75NTR antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55014-1-AP (p75NTR antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).