10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NTF3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7763b

Product Information

Application	WB, FC, E
Primary Accession	P20783
Other Accession	P25435, P18280, Q06AV0, P20181, P25433, Q08DT3
Reactivity	Human, Rat, Mouse
Predicted	Rat, Pig, Chicken, Xenopus, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14406
Calculated MW	29355
Antigen Region	152-184

Additional Information

Gene ID	4908
Other Names	Neurotrophin-3, NT-3, HDNF, Nerve growth factor 2, NGF-2, Neurotrophic factor, NTF3
Target/Specificity	This NTF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-184 amino acids from the C-terminal region of human NTF3.
Dilution	WB~~1:1000 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NTF3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NTF3
Function	Seems to promote the survival of visceral and proprioceptive sensory neurons.

Cellular Location	Secreted.
Tissue Location	Brain and peripheral tissues.

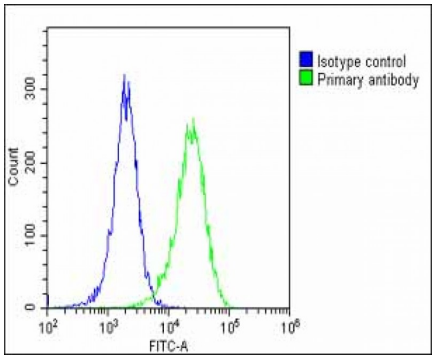
Background

NTF3 is a member of the neurotrophin family that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse.

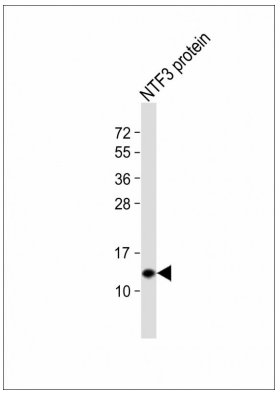
References

Hossain,W.A., J. Neurosci. Res. 86 (11), 2376-2391 (2008)
Mercader,J.M., Hum. Mol. Genet. 17 (9), 1234-1244 (2008)
Kalcheim,C.,Proc. Natl. Acad. Sci. U.S.A. 89 (5), 1661-1665 (1992)

Images

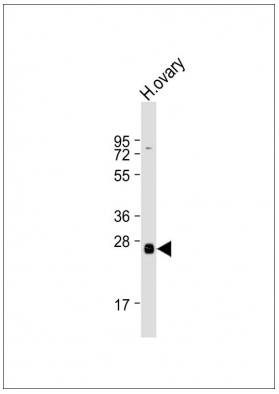


Overlay histogram showing Hela cells stained with AP7763B(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP7763B, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Anti-NTF3 Antibody (C-term) at 1:2000 dilution + NTF3 protein whole cell lysate Lysates/proteins at 20 ng per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 13. 5 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Anti-NTF3 Antibody (C-term) at 1:2000 dilution + Human ovary lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.