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

Specification

NTF3 Antibody (C-term) - Product Information

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

NTF3 Antibody (C-term) - 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~~1:2000
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.

NTF3 Antibody (C-term) - Protein Information

Name NTF3

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

Cellular Location
Secreted.

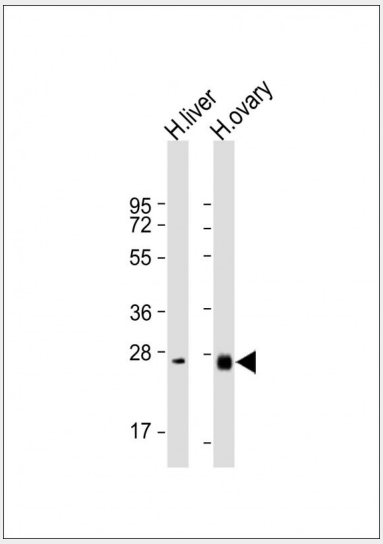
Tissue Location
Brain and peripheral tissues.

NTF3 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NTF3 Antibody (C-term) - Images



All lanes : Anti-NTF3 Antibody (C-term) at 1:2000 dilution Lane 1: Human liver lysate Lane 2: 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.

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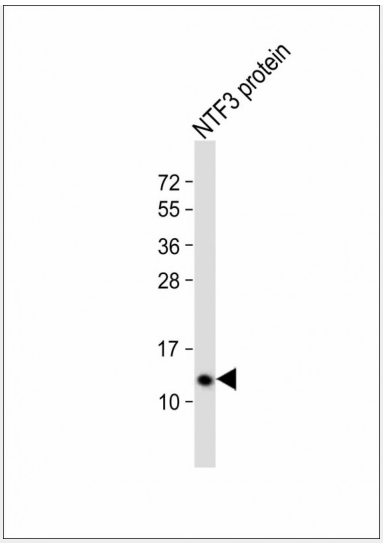
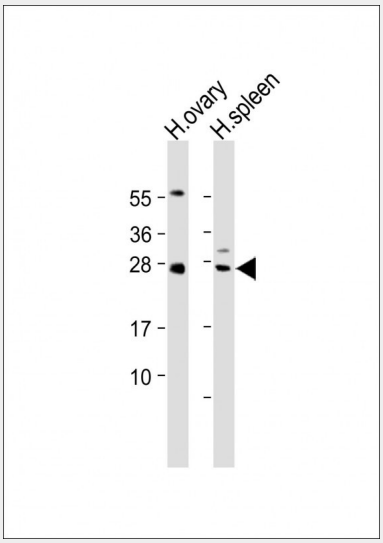


Anti-NTF3 Antibody (C-term) at 1:2000 dilution + NTF3 protein at 20 ng per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 13. 5 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-NTF3 Antibody (C-term) at 1:2000 dilution Lane 1: Human ovary lysate Lane 2: Human spleen 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.

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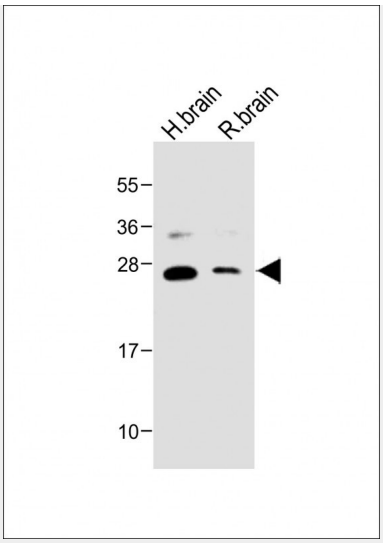
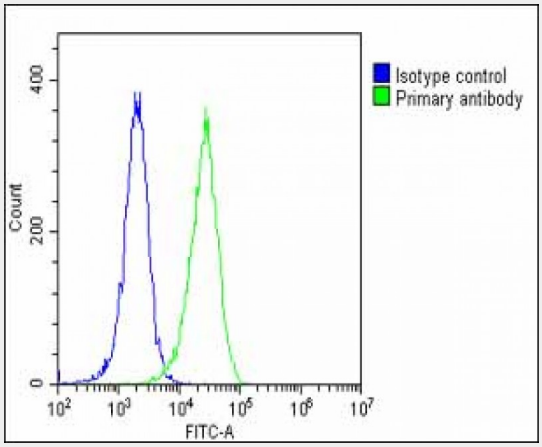


All lanes : Anti-NTF3 Antibody (C-term) at 1:2000 dilution Lane 1: Human brain lysate Lane 2: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

NTF3 Antibody (C-term) - 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.

NTF3 Antibody (C-term) - 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)