

NTF3 polyclonal antibody

Catalog # PAB14343

Size 50 ug

Specification

Product Description	Sheep polyclonal antibody raised against synthetic peptide of NTF3.
Immunogen	A synthetic peptide (conjugated with BSA) corresponding to human, mouse and rat NTF3/Ntf3.
Sequence	YAEHKSHRGEY
Host	Sheep
Reactivity	Chicken, Human, Mouse, Rat
Specificity	A cross reactivity of less than 0.1% to mouse NGF, recombinant human BDNF and NT4/5 has been shown by dot blot.
Form	Lyophilized
Recommend Usage	Western Blot (1-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay
- Dot Blot

- Inhibition Assay

Gene Info — NTF3

Entrez GeneID [4908](#)

Gene Name NTF3

Gene Alias HDNF, MGC129711, NGF-2, NGF2, NT3

Gene Description neurotrophin 3

Omim ID [162660](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. [provided by RefSeq]

Other Designations -

Gene Info — Ntf3

Entrez GeneID [18205](#)

Gene Name Ntf3

Gene Alias AI316846, AI835689, NT-3, NT3, Ntf-3

Gene Description neurotrophin 3

Gene Ontology [Hyperlink](#)

Other Designations -

Gene Info — Ntf3

Entrez GeneID [81737](#)

Gene Name	Ntf3
Gene Alias	-
Gene Description	neurotrophin 3
Gene Ontology	Hyperlink
Other Designations	neurotrophin-3 (HDNF/NT-3)

Publication Reference

- [Endogenous nerve growth factor and neurotrophin-3 act simultaneously to ensure the survival of postnatal sympathetic neurons in vivo.](#)

Tafreshi AP, Zhou XF, Rush RA.

Neuroscience 1998 Mar; 83(2):373.

- [Functional roles of neurotrophin 3 in the developing and mature sympathetic nervous system.](#)

Zhou XF, Rush RA.

Molecular Neurobiology 1996 Dec; 13(3):185.

Application: IHC, Rat, Rat internal carotid nerves

Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asperger Syndrome](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)

- [Disease Models](#)
- [Eating Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Schizophrenia](#)
- [Social Perception](#)
- [Tobacco Use Disorder](#)