

NTF3 polyclonal antibody

Catalog # PAB0705

Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NTF3.
Immunogen	A synthetic peptide (conjugated with BSA) corresponding to amino acids 139-149 of human NTF3.
Sequence	YAEHKSHRGEY
Host	Rabbit
Reactivity	Chicken, Human, 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. Immunogen: A synthetic peptide (YAEHKSHRGEY) as part of human (aa: 139-149), mouse and rat NT3 protein conjugated to BSA has been used as the immunogen. Accession: NT3_human ; NT3_MOUSE ; NT3_RAT
Form	Lyophilized
Purity	Whole serum
Recommend Usage	ELISA Immunohistochemistry (1:500-1:2000) Inhibition assay (1:10-50 in vitro 5-10 ul/g body weight in vivo) Western Blot (1:500-1:2000) 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 100 uL of sterile water and centrifuge to remove any insoluble material, store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay
- Inhibition Assay

Gene Info — NTF3

Entrez GeneID [4908](#)

Protein Accession# [P20783;P20181;P18280](#)

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 -

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](#)