NT-3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NT-3, Polyclonal Antibody
Full Product Name	NT-3 Polyclonal Antibody
Product Gene Name	anti-NT-3 antibody
Product Synonym Names	Neurotrophin-3; NT-3; HDNF; Nerve growth factor 2; NGF-2; Neurotrophic factor; NTF3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	30,800 Da
OMIM	162660
3D Structure	ModBase 3D Structure for P20783
Immunogen	Synthetic peptide from human protein at AA range: 180-230
Storage Buffer	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NT-3 antibody	Immunohistochemistry (IHC) Paraffin, ELISA (EIA)
Application Notes for anti-NT-3 antibody	IHC-p: 1:50-200 ELISA: 1:10000-20000
Related Product Information for anti-NT-3 antibody	MBS8532512 is an antibody targeting NT-3. Also known as NT-3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NT-3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NT-3. It may not necessarily be applicable to this product.

NCBI GI #	156630995
NCBI GeneID	4908
NCBI Accession #	NP_001096124.1
UniProt Primary Accession #	P20783
UniProt Secondary Accession #	Q6FH50; B7Z1T5
UniProt Related Accession #	P20783
GenBank Nucleotide #	NM_001102654.1

NCBI Official Full Name	neurotrophin-3 isoform 1 preproprotein
NCBI Official Synonym Full Names	neurotrophin 3
NCBI Official Symbol	NTF3
NCBI Official Synonym Symbols	NT3; HDNF; NGF2; NT-3; NGF-2
UniProt Protein Name	Neurotrophin-3
UniProt Synonym Protein Names	HDNF; Nerve growth factor 2; NGF-2; Neurotrophic factor
Protein Family	NT-3 growth factor receptor
UniProt Gene Name	NTF3
UniProt Synonym Gene Names	NT-3; NGF-2
NCBI Protein Information	neurotrophin-3
NCBI Summary for NT-3	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, Jul 2008]
UniProt Comments for NT-3	Seems to promote the survival of visceral and proprioceptive sensory neurons.
Research Articles on NT-3	**1.** NT-3 has been shown to be both an osteogenic and angiogenic factor, and can also enhance expression of the key osteogenic factor, BMP-2, as well as the major angiogenic factor, VEGF, to promote bone formation, vascularization, and bone healing
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