.-online.com antibodies

Datasheet for ABIN3043024 anti-Neurotrophin 3 antibody (Middle Region)

2 Images

1 Publication



Overview

Quantity:	100 µg
Target:	Neurotrophin 3 (NTF3)
Binding Specificity:	AA 174-189, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Neurotrophin-3(NTF3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Neurotrophin 3(174-189aa TVLGEIKTGNSPVKQY), identical to the related rat and mouse sequences.
Sequence:	TVLGEIKTGN SPVKQY
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Neurotrophin-3(NTF3) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: neurotrophin 3 Protein Name: Neurotrophin-3(NT-3)
Purification:	Immunogen affinity purified.

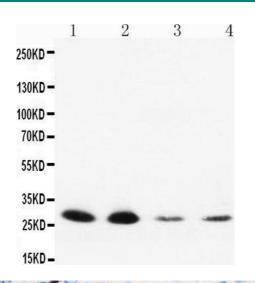
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3043024 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Neurotrophin 3 (NTF3)
NTF3 (NTF3 Products)
Neurotrophin-3 is a member of a family of neurotrophic factors, that is closely related to both
nerve growth factor and brain derived neurotrophic factor. These proteins are involved in the
maintenance of the adult nervous system and affect development of neurons in the embryo
when it is expressed in human placenta. NT3 deficient mice generated by gene targeting
display severe movement defects of the limbs.
Synonyms: HDNF antibody MGC129711 antibody Nerve growth factor 2 antibody Neurotrophic
factor antibody Neurotrophin 3 precursor antibody Neurotrophin-3 antibody Neurotrophin3
antibody NGF 2 antibody NGF-2 antibody NGF2 antibody NT 3 antibody NT-3 antibody NT3
antibody NTF 3 antibody NTF3 antibody NTF3_HUMAN antibody
P20783
RTK Signaling, Neurotrophin Signaling Pathway
WB: Concentration: 0.1-0.5 $\mu\text{g/mL}$, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Rat, Predicted Species: Human, Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for
20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.
Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by
ABIN921231 in IHC(P).
For Research Use only
Lyophilized
Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
500 µg/mL
Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN3043024 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Handling

Handling	
	Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing
	and thawing.
Publications	
Product cited in:	Yao, Zhao, Ou, Liang, Lin, Wang: "MicroRNA-214 Suppresses Osteogenic Differentiation of
	Human Periodontal Ligament Stem Cells by Targeting ATF4." in: Stem cells international, Vol.
	2017, pp. 3028647, (2017) (PubMed).
	Wang, Wang, Dai, Chen, Yang, Dai, Ou, Wang, Lin: "Effects of Intermittent Administration of
	Parathyroid Hormone (1-34) on Bone Differentiation in Stromal Precursor Antigen-1 Positive
	Human Periodontal Ligament Stem Cells." in: Stem cells international, Vol. 2016, pp. 4027542,
	2016) (PubMed).
	Li, Chen, Peng, Zhou, Fang: "Pulsed electromagnetic fields protect the balance between
	adipogenesis and osteogenesis on steroid-induced osteonecrosis of femoral head at the pre-
	collapse stage in rats." in: Bioelectromagnetics , Vol. 35, Issue 3, pp. 170-80, (2014) (PubMed).
	Song, Yu, Zhao, Wei, Liu, Hu, Zhao, Yang, Wu: "The time-dependent manner of sinusoidal
	electromagnetic fields on rat bone marrow mesenchymal stem cells proliferation,
	differentiation, and mineralization." in: Cell biochemistry and biophysics, Vol. 69, Issue 1, pp.
	47-54, (2014) (PubMed).
	Mu, Lv, Wang, Ma, Ma, Liu, Yu, Mu: "Mechanical stress stimulates the osteo/odontoblastic
	differentiation of human stem cells from apical papilla via erk 1/2 and JNK MAPK pathways." in
	BioMed research international, Vol. 2014, pp. 494378, (2014) (PubMed).

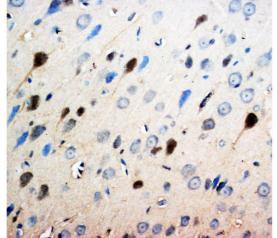


Western Blotting

Image 1. Anti-Neurotrophin 3 antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane 3: MCF-7 Cell Lysate Lane 4: HELA Cell Lysate

Immunohistochemistry

Image 2. Anti-Neurotrophin 3 antibody, IHC(P) IHC(P): Rat Brain Tissue



Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN3043024 | 09/11/2023 | Copyright antibodies-online. All rights reserved.