



20190325DS

# Anti-Human NT-4 (#31A1)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M763</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with extracellular domain of human recombinant protein of NT-4.

## Target Background

<b>Synonyms (Target):</b>	NTF4; NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC10; NT-4/5
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NT-4 is a neurotrophic factor structurally related to  $\beta$ -NGF, BDNF, and NT-3. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. NT-4 is expressed in the prostate, thymus, placenta and skeletal muscle. NT-4 can signal through the LNGFR and trkB receptors and promotes the survival of peripheral sensory sympathetic neurons. Recombinant human NT-4 is a noncovalently linked homodimer, of two 14.0 kDa polypeptide monomers (260 total amino acid residues).

## Database References Target

<b>Protein RefSeq:</b>	NP_006170.1
<b>Uniprot ID:</b>	P34130
<b>mRNA RefSeq:</b>	NM_006179.4

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#31A1)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human NT-4
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at <-20°C for at least for six months without detectable loss of activity.

**Remarks:** This antibody recognizes human NT-4 by ELISA and WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

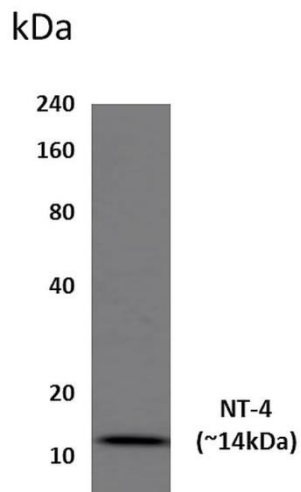
**Recommended usage:**

WB: Use at 1:500-1000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



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**Fig. 1:** Western Blot Analysis of Lysates of HEK293 expressing human NT-4