

Datasheet for ABIN7043392

## anti-Neurotrophin 3 antibody (Intracellular)



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### 2 Images

#### Overview

Quantity:	25 µL
Target:	Neurotrophin 3 (NTF3)
Binding Specificity:	AA 39-48, AA 177-186, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurotrophin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: GEIKTGNSPV(C), corresponding to amino acid residues 39-48 of mature human NT-3 (residues 177-186 of the NT-3 precursor)
Isotype:	IgG
Characteristics:	Anti-Neurotrophin 3 (NT-3) Antibody is directed against an epitope of human Neurotrophin 3. Anti-Neurotrophin 3 (NT-3) Antibody (ABIN7043392, ABIN7044748 and ABIN7044749)) can be used in western blot and immunohistochemical applications. It has been designed to recognize NT-3 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

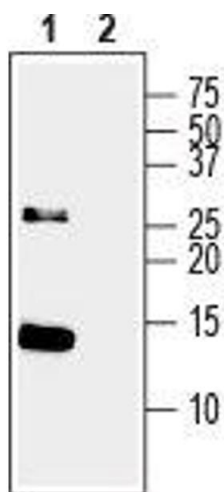
Target:	Neurotrophin 3 (NTF3)
Alternative Name:	Neurotrophin 3 (NT-3) ( <a href="#">NTF3 Products</a> )
Background:	Alternative names: Neurotrophin 3 (NT-3), NTF3, Nerve growth factor 2, NGF2, HDNF
Gene ID:	4908
NCBI Accession:	<a href="#">NM_001102654</a>
UniProt:	<a href="#">P20783</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

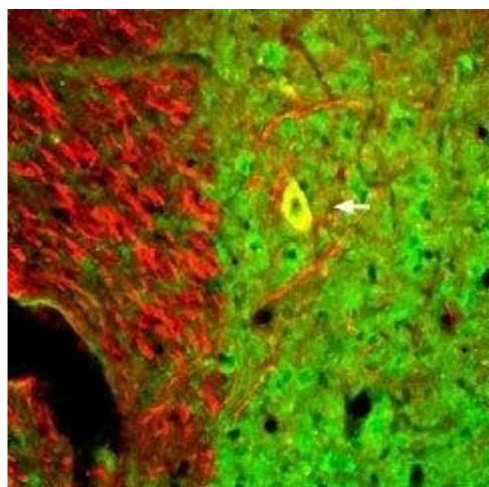
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.3 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of Recombinant human Neurotrophin-3 (NT-3) protein (#N-260), (100 ng): - 1. Anti-Neurotrophin 3 (NT-3) Antibody (ABIN7043392, ABIN7044748 and ABIN7044749), (1:200) 2. Anti-Neurotrophin 3 (NT-3) Antibody, preincubated with Neurotrophin 3/NT-3 Blocking Peptide (#BLP-NT003).



### Immunohistochemistry

**Image 2.** Expression of Neurotrophin 3 in mouse spinal cord - Immunohistochemical staining of perfusion-fixed frozen mouse spinal cord sections with Anti-Neurotrophin 3 (NT-3) Antibody (ABIN7043392, ABIN7044748 and ABIN7044749), (1:300), followed by goat-anti-rabbit-AlexaFluor-488 (green). The same sections were stained with mouse anti-neurofilament 200 (NF) (red). Merge of the two images demonstrates the presence of NT-3 in gray matter which colocalizes with NF only in the soma of some neurons (arrow).