

Datasheet for ABIN351087

**anti-NTRK3 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	500 µg
Target:	NTRK3
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NTRK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide from rat TrkC conjugated to blue carrier protein was used as the antigen. The peptide is homologous in mouse and human.
Isotype:	IgG
Specificity:	Specific for TrkC.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

## Target Details

Target:	NTRK3
Alternative Name:	TrkC ( <a href="#">NTRK3 Products</a> )

## Target Details

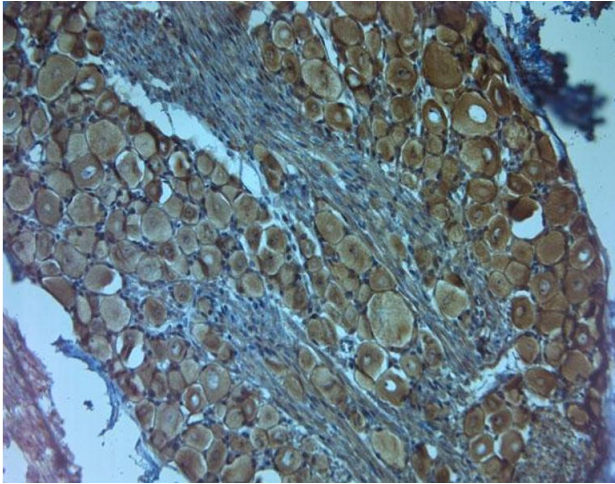
Background:	<p>FUNCTION: Receptor for neurotrophin-3 (NT-3). This is a tyrosine-protein kinase receptor.</p> <p>Known substrates for the trk receptors are SHC1, PI-3 kinase, and PLCG1. The different isoforms do not have identical signaling properties. CATALYTIC ACTIVITY: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. SUBUNIT: Exists in a dynamic equilibrium between monomeric (low affinity) and dimeric (high affinity) structures. Binds SH2B2. Interacts with SQSTM1 and ARMS. SUBCELLULAR LOCATION: Membrane, Single-pass type I membrane protein. TISSUE SPECIFICITY: Widely expressed, mainly in the nervous tissue. The isoform B is expressed in a relatively large amount in the adult brain comparatively to fetal brain.,Neurotrophic Receptors,Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, GP145-TrkC, Trk-C, NT-3 growth factor receptor, NTRK3</p>
UniProt:	<a href="#">Q03351</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Regulation of Cell Size</a>

## Application Details

Application Notes:	IHC, WB. A concentration of 10-50 µg/ml is recommended. The optimal concentration should be determined by the end user.
Restrictions:	For Research Use only

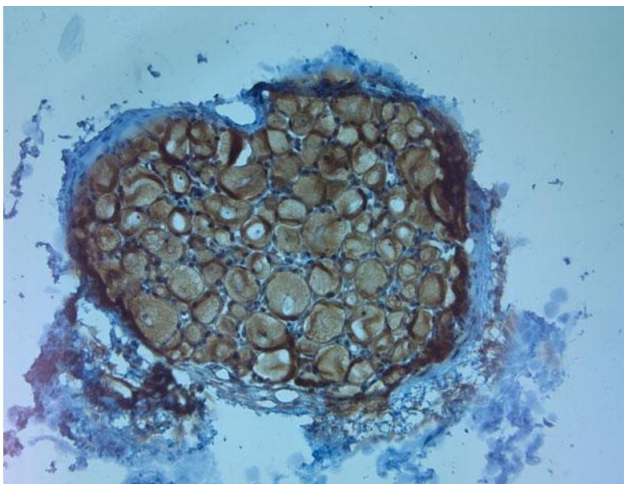
## Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months



#### Immunohistochemistry

**Image 1.** IHC on paraffin sections of rat DRG using Rabbit antibody to TrkC .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2  $\mu$ m.Detection was done using Novolink HRP polymer from Leica following manufacturers instructions.Primary antibody: dilution 10  $\mu$ g/ml, incubated 30 min at RT (using Autostainer).Sections were counterstained with Harris Hematoxylin.



#### Immunohistochemistry

**Image 2.** IHC on paraffin sections of rat DRG using Rabbit antibody to TrkC .HIER: 1 mM EDTA, pH 8 for 20 min using Thermo PT Module.Blocking: 0.2% LFDM in TBST filtered thru 0.2  $\mu$ m.Detection was done using Novolink HRP polymer from Leica following manufacturers instructions.Primary antibody: dilution 10  $\mu$ g/ml, incubated 30 min at RT (using Autostainer).Sections were counterstained with Harris Hematoxylin.