

# Product Datasheet

## TrkC [p Tyr820] Antibody NBP1-03448

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 4

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**NBP1-03448****TrkC [p Tyr820] Antibody**

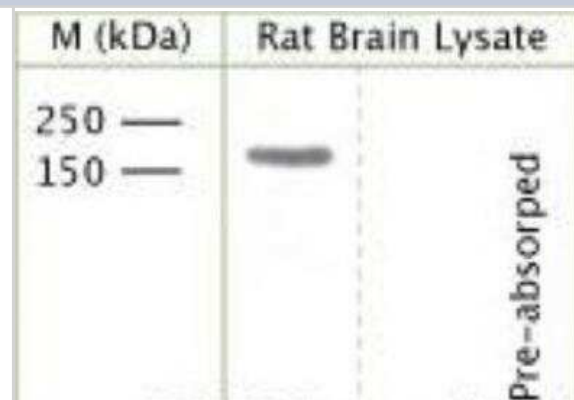
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit TrkC [p Tyr820] Antibody (NBP1-03448) is a polyclonal antibody validated for use in IHC and WB. Anti-TrkC Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4916
<b>Gene Symbol</b>	NTRK3
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide to phospho Y820 of human TrkC (Trk-C, NTRK3, NT-3 growth factor receptor, GP145-TrkC) conjugated to an immunogenic carrier protein was used as the immunogen. The antigen is homologous in rat and mouse.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:300-1:3000, Immunohistochemistry 1:300-1:3000, Immunohistochemistry-Paraffin 1:300-1:3000

**Images**

Western Blot: TrkC [p Tyr820] Antibody [NBP1-03448] - Rat brain lysate using Rabbit antibody to phospho Y820 TrkC: whole serum at 1:1000 dilution incubated overnight at 4 degrees C. A single band will be detected. Pre-absorption of the antibody with the immunising peptide completely abolishes the detected band.



## Publications

Bollig-Fischer A, Bao B, Manning M et al. Role of novel cancer gene SLITRK3 to activate NTRK3 in squamous cell lung cancer Mol Biomed 2022-01-10 [PMID: 35006496]

Gomez-Pineda VG, Torres-Cruz FM, Vivar-Cortes CI, Hernandez-Echeagaray E. Neurotrophin-3 restores synaptic plasticity in the striatum of a mouse model of Huntington's disease. CNS Neurosci Ther. 2018-02-17 [PMID: 29453932] (Mouse)

Yang T, Massa SM, Tran KC et al. A small molecule TrkB/TrkC neurotrophin receptor co-activator with distinctive effects on neuronal survival and process outgrowth. Neuropharmacology 2016-06-19 [PMID: 27334657] (WB, Mouse)

Lawn S, Krishna N, Pisklakova A et al. Neurotrophin signaling via TrkB and TrkC Receptors promote the growth of Brain Tumor Initiating Cells. J. Biol. Chem. 2014-12-23 [PMID: 25538243] (WB, Human)

### Details:

Phospho-TrkC [p-Tyr 820] used for Western blotting analysis of brain tumor initiating cells (BTICs). Western blotting analysis showing the Trk inhibitor, GW441756, efficiently blocked NT3 stimulated TrkC phosphorylation in BTICs (Fig. 5A and 5B).





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### **Products Related to NBP1-03448**

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NBL1-13838	TrkC Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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