

# Product Datasheet

## TrkB [p Tyr707, p Tyr706] Antibody - BSA Free NBP2-54764-0.05mg

Unit Size: 0.05 mg

Store at -20 degrees C. Avoid freeze/thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 1 Publications: 4**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-54764](http://www.novusbio.com/NBP2-54764)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-54764](http://www.novusbio.com/reviews/destination/NBP2-54764)



**NBP2-54764-0.05mg**

TrkB [p Tyr707, p Tyr706] Antibody - BSA Free

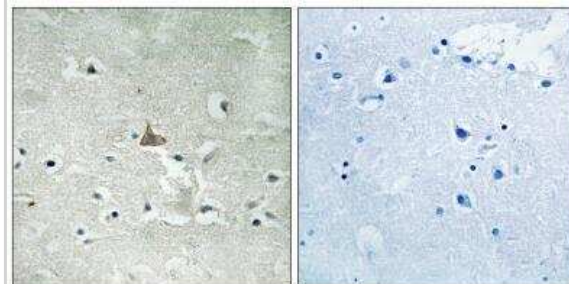
Product Information	
Unit Size	0.05 mg
Concentration	1 mg/ml
Storage	Store at -20 degrees C. Avoid freeze/thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Epitope affinity purified
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 50% glycerol
Target Molecular Weight	91 kDa

Product Description	
Host	Rabbit
Gene ID	4915
Gene Symbol	NTRK2
Species	Human, Mouse, Rat
Specificity/Sensitivity	The antibody detects endogenous levels of TrkB only when phosphorylated at tyrosine 706 and tyrosine 707.
Immunogen	Trk B (phospho Tyr706/Tyr707) antibody was raised against a peptide sequence around phosphorylation site of tyrosine 706/tyrosine 707 (T-D-Y (p)-Y (p)-R-V) derived from Human Trk B.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry 1:10 - 1:200, Immunohistochemistry-Paraffin 1:10 - 1:500
Application Notes	This TrkB [p Tyr706] Antibody is validated for WB from a verified customer review.

**Images**

Immunohistochemistry-Paraffin: TrkB [p Tyr706] Antibody [NBP2-54764] - Human brain tissue using Trk B [P-Tyr706/Tyr707] antibody (left) or the same antibody preincubated with blocking peptide (right).



## Publications

Mina Sadighi, Lingling Mai, Yifan Xu, Morgane Boillot, Giorgia Targa, Francesca Mottarlini, Paolo Brambilla, Peter Gass, Lucia Caffino, Fabio Fumagalli, Judith R Homberg Chronic exposure to imipramine induces a switch from depression-like to mania-like behavior in female serotonin transporter knockout rats: Role of BDNF signaling in the infralimbic cortex. *Journal of affective disorders* 2024-02-28 [PMID: 38280571]

Caffino L, Mottarlini F, Piva A et al. Temporal dynamics of BDNF signaling recruitment in the rat prefrontal cortex and hippocampus following a single infusion of a translational dose of ketamine *Neuropharmacology* 2023-10-17 [PMID: 37858883] (WB, Rat)

Details:

1:200 WB dilution

Mottarlini F, Rizzi B, Targa G et al. Long-lasting BDNF signaling alterations in the amygdala of adolescent female rats exposed to the activity-based anorexia model *Frontiers in behavioral neuroscience* 2022-12-08 [PMID: 36570702] (WB, Rat)

Details:

Dilution used 1:200

Mottarlini F, Fumagalli M, Castillo-Diaz F et al. Single and Repeated Exposure to Cannabidiol Differently Modulate BDNF Expression and Signaling in the Cortico-Striatal Brain Network *Biomedicines* 2022-08-01 [PMID: 36009400] (WB, Rat)

Details:

WB 1:500





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-54764-0.05mg**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-16988PEP	TrkB Recombinant Protein Antigen

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-54764](http://www.novusbio.com/reviews/submit/NBP2-54764)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

