

# Product Datasheet

## Tau [p Thr181] Antibody - BSA Free NB100-82245-0.025ml

Unit Size: 0.025 ml

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

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



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

**Reviews: 1 Publications: 2**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-82245](http://www.novusbio.com/NB100-82245)

Updated 4/13/2025 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/NB100-82245](http://www.novusbio.com/reviews/destination/NB100-82245)



**NB100-82245-0.025ml**

Tau [p Thr181] Antibody - BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 50% glycerol

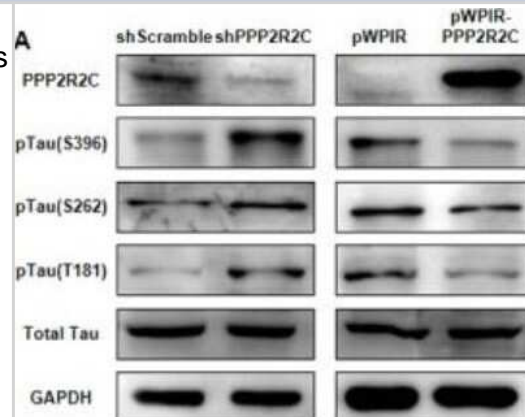
Product Description	
Host	Rabbit
Gene ID	4137
Gene Symbol	MAPT
Species	Human, Mouse, Rat
Marker	pan-Neuronal Marker
Specificity/Sensitivity	Detects endogenous levels of Tau only when phosphorylated at threonine 181.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Tau around the phosphorylation site of threonine 181 (P-K-TP-P-P).

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:500-1:1000, Simple Western, Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100, Knockdown Validated
Application Notes	Use in KD reported in scientific publication PMID: 32291379

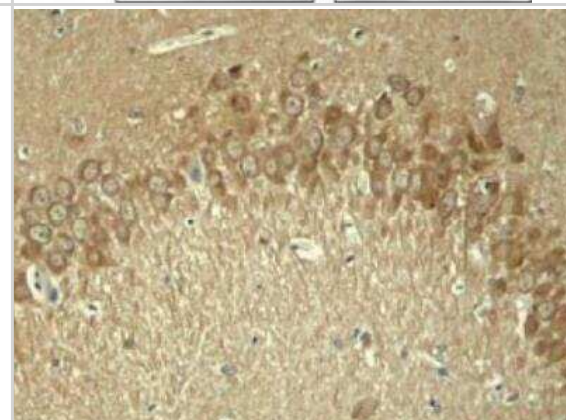


## Images

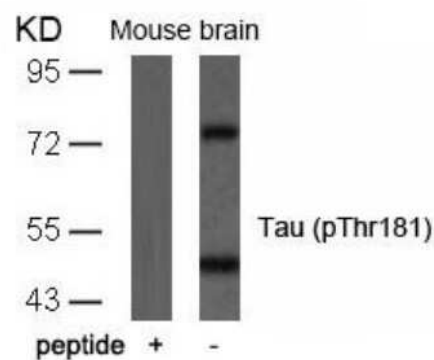
Western Blot: Tau [p Thr181] Antibody [NB100-82245] - PPP2R2C level regulates Tau phosphatase levels. Representative image of immunoblots of indicated antibodies are shown in SHSY5Y cell lines after knockdown and overexpression PPP2R2C. Image collected and cropped by CiteAb from the following publication ([www.aging-us.com/lookup/doi/10.18632/aging.103048](http://www.aging-us.com/lookup/doi/10.18632/aging.103048)) licensed under a CC-BY license.



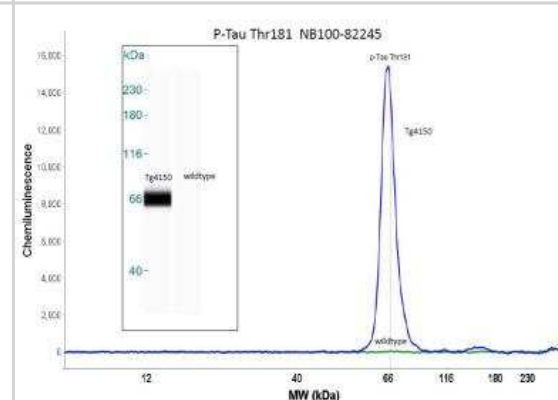
Immunohistochemistry-Paraffin: Tau [p Thr181] Antibody [NB100-82245] - analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer's Disease using Tau (phospho-Thr181) antibody.



Western Blot: Tau [p Thr181] Antibody [NB100-82245] - Analysis of extracts from mouse brain tissue using Tau(Phospho-Thr181) Antibody and the same antibody preincubated with blocking peptide.



Simple Western: Tau [p Thr181] Antibody [NB100-82245] - Simple western analysis of mouse brain tissue (striatum) from 4 month old Tg4150 and wildtype mice. Image courtesy of Dr. Brandi Wasek-Patterson at Baylor Research Institute, Institute of Metabolic Disease.



## Publications

Leong W, Xu W, Wang B et al. PP2A subunit PPP2R2C is downregulated in the brains of Alzheimer's transgenic mice Aging (Albany NY) 2020-04-14 [PMID: 32291379] (KD, WB, Mouse)

Chiroma S, Mohd Moklas M, Mat Taib C et al. d -galactose and aluminium chloride induced rat model with cognitive impairments Biomedicine & Pharmacotherapy 2018-07-01 [PMID: 29864948] (WB, Rat)



### 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

### 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/NB100-82245](http://www.novusbio.com/reviews/submit/NB100-82245)

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

