

# Product Datasheet

## Tau [p Ser396] Antibody - BSA Free NB100-82243

Unit Size: 0.05 ml

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

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Updated 9/9/2025 v.20.1

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**NB100-82243**

Tau [p Ser396] Antibody - BSA Free

Product Information	
Unit Size	0.05 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

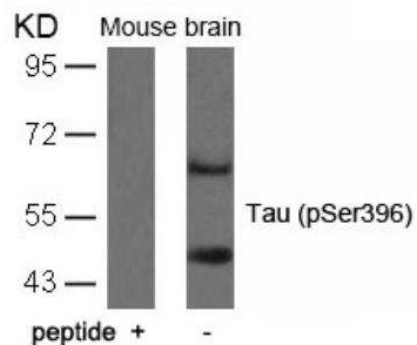
Product Description	
Description	Novus Biologicals Rabbit Tau [p Ser396] Antibody - BSA Free (NB100-82243) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-Tau Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
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 serine396.
Immunogen	This Tau [p Ser396] Antibody was produced against synthesized phosphopeptide derived from human Tau around the phosphorylation site of serine 396 (Y-K-SP-P-V).

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500 - 1:1000, Simple Western 1:1,000, Immunohistochemistry 1:50 - 1:100, Immunohistochemistry-Paraffin 1:50 - 1:100
Application Notes	See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: separated by Size, antibody dilution of 1:1,000

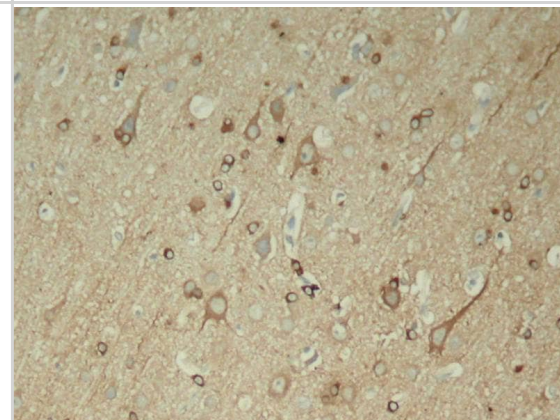


## Images

Western Blot: Tau [p Ser396] Antibody [NB100-82243] - Extracts from mouse brain tissue using Tau(p Ser396) Antibody and same antibody preincubated with blocking peptide



Immunohistochemistry: Tau [p Ser396] Antibody [NB100-82243] - Immunohistochemical analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer's Disease using NB100-82243.



## Publications

Wu Y, Dong JH, Dai YF et al. Hepatic soluble epoxide hydrolase activity regulates cerebral A $\beta$  metabolism and the pathogenesis of Alzheimer's disease in mice *Neuron* 2023-06-26 [PMID: 37402372]

Alavi MV Tau phosphorylation and OPA1 proteolysis are unrelated events: Implications for Alzheimer's Disease *Biochim Biophys Acta Mol Cell Res* 2021-08-17 [PMID: 34400173] (WB, Human, Mouse)



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### **Products Related to NB100-82243**

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NBL1-12894	Tau Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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