

Product Datasheet

Tau [p Thr231] Antibody - BSA Free NB100-82249

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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NB100-82249

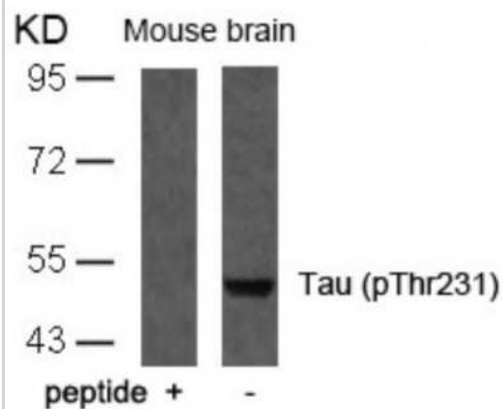
Tau [p Thr231] Antibody - BSA Free

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 ²⁺ and Ca ²⁺), 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 231.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Tau around the phosphorylation site of threonine 231 (V-R-TP-P-P).
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:100

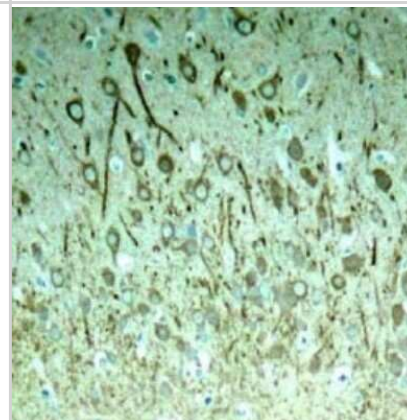


Images

Western Blot: Tau [p Thr231] Antibody [NB100-82249] - Western blot analysis of extracts from mouse brain tissue using NB100-82249 and the same antibody preincubated with blocking peptide.



Immunohistochemistry: Tau [p Thr231] Antibody [NB100-82249] - Immunohistochemical analysis of paraffin-embedded rat hippocampal region tissue from a model with Alzheimer's Disease using Tau (phospho-Thr231) antibody.



Publications

Rodriguez-Rodriguez P, Arroyo-Garcia LE, Tsagkogianni C et Al. A cell autonomous regulator of neuronal excitability modulates tau in Alzheimer's disease vulnerable neurons *Brain* 2024-03-11 [PMID: 38462574]

Lu J, Wu K, Sha X et al. TRPV1 alleviates APOE4-dependent microglial antigen presentation and T cell infiltration in Alzheimer's disease *Translational Neurodegeneration* 2024-10-29 [PMID: 39468688]

Wang C, Lu J, Sha X et al. TRPV1 regulates ApoE4-disrupted intracellular lipid homeostasis and decreases synaptic phagocytosis by microglia *Experimental & molecular medicine* 2023-02-01 [PMID: 36720919] (IHC-Fr, Mouse)

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: 34400174] (WB, Human, Mouse)

Rodriguez-Rodriguez P, Sandebring-Matton A, et al. Tau hyperphosphorylation induces oligomeric insulin accumulation and insulin resistance in neurons. *Brain* 2017-12-01 [PMID: 29053786] (Human)



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Products Related to NB100-82249

NBL1-12894	Tau 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

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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