

# Product Datasheet

## Tau Antibody (2E9) - BSA Free NBP2-25162

Unit Size: 0.1 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)

### Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-25162](http://www.novusbio.com/NBP2-25162)

Updated 2/23/2025 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/NBP2-25162](http://www.novusbio.com/reviews/destination/NBP2-25162)



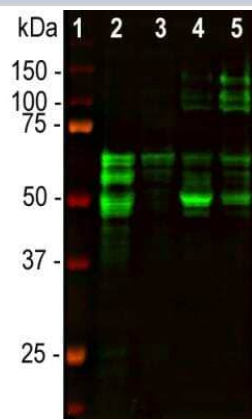
**NBP2-25162**

Tau Antibody (2E9) - BSA Free

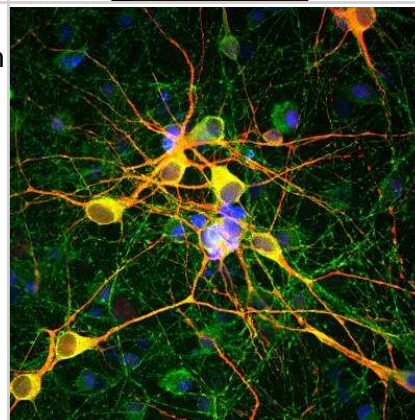
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2E9
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	48-67 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4137
<b>Gene Symbol</b>	MAPT
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine
<b>Marker</b>	pan-Neuronal Marker
<b>Specificity/Sensitivity</b>	This antibody is expected to bind to all Tau isoforms
<b>Immunogen</b>	Recombinant full length 441 amino acid human tau. Epitope located in the peptide KDRVQSKIGSLDNITHVPGG, amino acids 347-366.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Proximity Ligation Assay
<b>Recommended Dilutions</b>	Western Blot 1:10000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Proximity Ligation Assay
<b>Application Notes</b>	Use in PLA reported in scientific literature (PMID:35264729) Optimal dilution of this antibody should be experimentally determined..

## Images

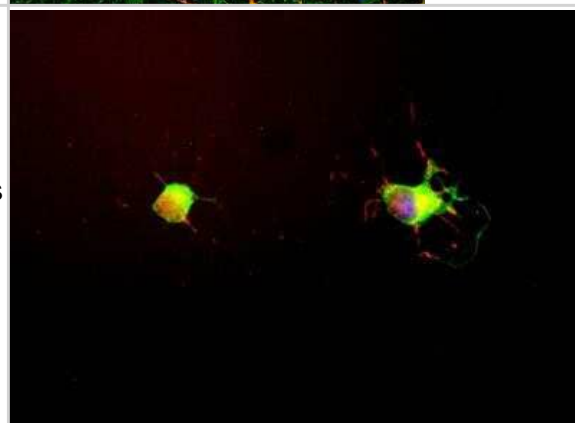
Western Blot: Tau Antibody (2E9) [NBP2-25162] - Analysis of different tissue lysates using mouse mAb to MAP-tau, NBP2-25162, dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Tau protein is expressed as up to 9 different isoforms of different molecular weight, and so appears as multiple closely spaced bands in the range from 48 kDa to 67 kDa in the CNS and including larger big tau forms in the PNS, visible in lane 5.



Immunocytochemistry/Immunofluorescence: Tau Antibody (2E9) [NBP2-25162] - Analysis of cortical neuron-glia culture from E20 rat stained with mouse mAb to MAP-tau, NBP2-25162, dilution 1:1,000 in green, and costained with chicken pAb to MAP2, dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. NBP2-25162 antibody stains perikarya, dendrites and axons of neurons, while MAP2 antibody labels only dendrites and perikarya. As a result, perikarya and dendrites appear orange-yellow, since they contain both proteins.



Immunocytochemistry/Immunofluorescence: Tau Antibody (2E9) [NBP2-25162] - E18 primary rat hippocampal neurons (from Neuromics) were fixed and immunostained with NBP2-25162 (green), chicken antibody to alpha Internexin (NBP1-05208, red) and for DNA (blue). NBP2-25162 stains the neuronal perikarya and processes strongly, and does not stain non neuronal cells in these cultures. The alpha Internexin antibody stains intermediate or 10nm filament bundles in the cytoplasm of these cells.



## Publications

Mody PH, Marvin KN, Hynds DL, Hanson LK Cytomegalovirus infection induces Alzheimer's disease-associated alterations in tau Journal of neurovirology 2023-07-12 [PMID: 37436577]

Matchett BJ, Lincoln SJ, Baker M et al. The SERPINA5 coding variant E228Q does not contribute to clinicopathologic characteristics in Alzheimer's disease: A cross-sectional study Medicine 2023-06-16 [PMID: 37327267] (IHC, Human)

Huang CN, Lin CL, Li HH et al. Abelmoschus esculentus (Okra) Prevents Insulin Resistance and Restores Neuron Autophagy by Regulating Dipeptidyl Peptidase-4 and Thus Improving Hippocampal Function Journal of medicinal food 2023-06-26 [PMID: 37358589]

Pandya NJ, Meier S, Tyanova S Et al. A cross-species spatiotemporal proteomic analysis identifies UBE3A-dependent signaling pathways and targets Mol Psychiatry 2022-03-10 [PMID: 35264729] (PLA, Human)

### Details:

Citation using the Alexa Fluor 647 version of this antibody.

EI-Nashar HAS, Abbas H, Zewail M et al. Neuroprotective Effect of Artichoke-Based Nanoformulation in Sporadic Alzheimer's Disease Mouse Model: Focus on Antioxidant, Anti-Inflammatory, and Amyloidogenic Pathways Pharmaceuticals (Basel, Switzerland) 2022-09-28 [PMID: 36297313]





### **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 NBP2-25162**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-51093-0.01mg	Recombinant Human Tau His Protein

---

### **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/NBP2-25162](http://www.novusbio.com/reviews/submit/NBP2-25162)

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

