

# Tau Monoclonal Antibody (BT2)

## Product Details

Size	100 µg
Species Reactivity	Bovine, Human, Non-human primate, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	BT2
Conjugate	Unconjugated
Immunogen	Purified bovine Tau
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10975238

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	7 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
ELISA (ELISA)	2-10 µg/mL	13 Publications

## Product Specific Information

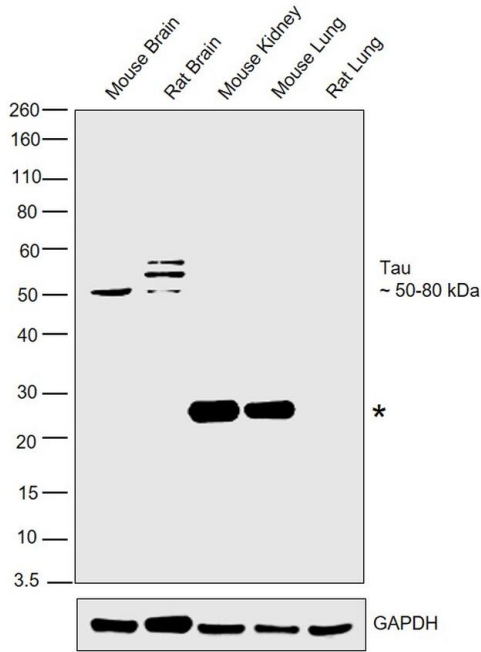
MN1010 recognizes normal Tau from human, rat, monkey, and bovine brain. No cross reactivity with PHF-Tau has been observed. The epitope of this antibody has been mapped on human Tau between residue 194 and 198 (numbering according to human Tau40), corresponding to the amino acid sequence RSGYS.

MN1010 detects Tau which has a predicted molecular weight of approximately 79 kDa.

This product is a Low Endotoxin formulation.

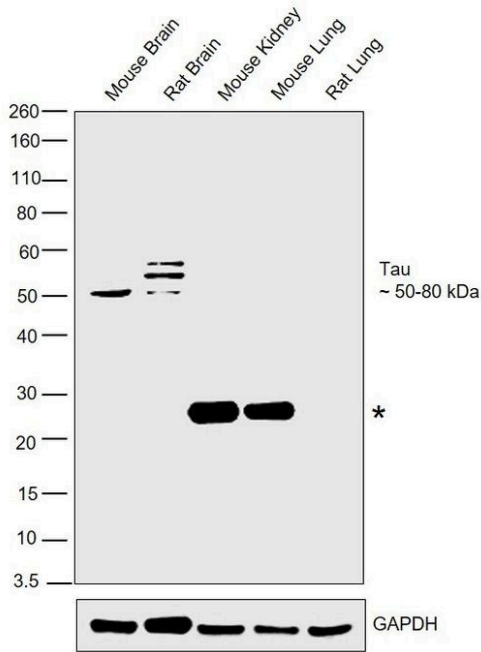
Purity is >95% as determined by SDS-PAGE.

Product Images For Tau Monoclonal Antibody (BT2)



Tau Antibody (MN1010) in WB

Western blot was performed using Anti-Tau Monoclonal Antibody (BT2) (Product # MN1010) and 40-80 kDa bands corresponding to Tau were observed in Mouse and Rat Brain but not in Mouse Kidney or Mouse and Rat Lung tissues. Tissue extracts (30 µg lysate) of Mouse Brain (Lane 1), Rat Brain (Lane 2), Mouse Kidney (Lane 3), Mouse Lung (Lane 4) or Rat Lung (Lane 5) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0301BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Additional band at 25 kDa corresponds to tissue IgG and has been marked with an asterisk.



Tau Antibody (MN1010)

Antibody specificity was demonstrated by detection of differential basal expression of the target across Mouse Brain, Rat Brain, Mouse Kidney, Mouse Lung, Rat Lung owing to their inherent genetic constitution. Relative expression of Tau was observed in Mouse and Rat Brain as compared to Kidney and Lung tissues using Anti-Tau Monoclonal Antibody (BT2) (Product # MN1010) in Western Blot. {RE}

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Western Blot (7)

<p>Pharmaceutics</p> <p><b>Immunotherapy with Cleavage-Specific 12A12mAb Reduces the Tau Cleavage in Visual Cortex and Improves Visuo-Spatial Recognition Memory in Tg2576 AD Mouse Model.</b></p> <p>"Published figure using Tau monoclonal antibody (Product # MN1010) in Western Blot"</p> <p>Authors: Latina V,De Introna M,Caligiuri C,Loviglio A,Florio R,La Regina F,Pignataro A,Ammassari-Teule M,Calissano P,Amadoro G</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>Acta neuropathologica communications</p> <p><b>Systemic delivery of a specific antibody targeting the pathological N-terminal truncated tau peptide reduces retinal degeneration in a mouse model of Alzheimer's Disease.</b></p> <p>"Published figure using Tau monoclonal antibody (Product # MN1010) in Western Blot"</p> <p>Authors: Latina V,Giacovazzo G,Cordella F,Balzamino BO,Micera A,Varano M,Marchetti C,Malerba F,Florio R,Ercole BB,La Regina F,Atlante A,Coccurello R,Di Angelantonio S,Calissano P,Amadoro G</p>	<p>Year 2021</p> <p>Species Mouse</p>

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Immunohistochemistry (3)

<p>BMC neuroscience</p> <p><b>Detailed immunohistochemical characterization of temporal and spatial progression of Alzheimer's disease-related pathologies in male triple-transgenic mice.</b></p> <p>"MN1010 was used in immunohistochemistry to study the temporal and spatial progression of AD-like pathology in male 3xTg-AD mice"</p> <p>Authors: Mastrangelo MA,Bowers WJ</p>	<p>Year 2008</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
<p>Human molecular genetics</p> <p><b>Suppression of Parkin enhances nigrostriatal and motor neuron lesion in mice over-expressing human-mutated tau protein.</b></p> <p>"MN1010 was used in immunohistochemistry to investigate the role of Parkin in nigrostriatal and motor neuron integrity in mice"</p> <p>Authors: Menéndez J,Rodríguez-Navarro JA,Solano RM,Casarejos MJ,Rodal I,Guerrero R,Sánchez MP,Avila J,Mena MA,de Yébenes JG</p>	<p>Year 2006</p> <p>Species Mouse</p> <p>Dilution 1:500</p>

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- IHC (P) (1)
- ICC/IF (2)
- ELISA (13)

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