

# Phospho-Tau (Ser202, Thr205) Monoclonal Antibody (AT8), Biotin

## Product Details

Size	50 µg
Species Reactivity	Human
Published Species	Rabbit, Rat, Non-human primate, Fruit fly, Hamster, Cat, Mouse, Human, Chicken, Horse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	AT8
Conjugate	Biotin
Immunogen	Partially purified human PHF-Tau
Form	Liquid
Concentration	0.1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	4° C
RRID	AB_223648

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	Assay Dependent	21 Publications
Immunofluorescence (IF)	Assay Dependent	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay Dependent	-
Western Blot (WB)	Assay Dependent	102 Publications
Immunohistochemistry (IHC)	-	225 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

MN1020B targets PHF-tau (Ser202/Thr205) in IF, ELISA, ICC, IHC (P) and WB applications and shows reactivity with Human samples.

The MN1020B immunogen is partially purified human PHF-Tau.

MN1020B detects PHF-tau (Ser202/Thr205)a which has a predicted molecular weight of approximately 79 kDa.

## Western Blot (102)

The Journal of comparative neurology

### Distribution of endogenous normal tau in the mouse brain.

"MN1020B was used in Western Blotting to report novel antibodies to investigate the localization and mis-localization of tau in vivo and novel findings of normal tau localization in the mouse brain."

Authors: Kubo A, Misonou H, Matsuyama M, Nomori A, Wada-Kakuda S, Takashima A, Kawata M, Murayama S, Ihara Y, Miyasaka T

**Species**  
Mouse

**Dilution**  
1:200

**Year**  
2019

The Journal of biological chemistry

### Mini-GAGR, an intranasally applied polysaccharide, activates the neuronal Nrf2-mediated antioxidant defense system.

"MN1020B was used in Western Blotting to identify a blood-brain barrier-bypassing, Nrf2-activating polysaccharide that may attenuate Alzheimer's disease pathogenesis."

Authors: Murphy K, Llewellyn K, Wakser S, Pontasch J, Samanich N, Flemer M, Hensley K, Kim DS, Park J

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2018

[View more WB references on thermofisher.com](#)

## Immunofluorescence (6)

Acta neuropathologica communications

### Pathogenic tau modifications occur in axons before the somatodendritic compartment in mossy fiber and Schaffer collateral pathways.

"MN1020B was used in Immunohistochemistry-immunofluorescence to study the importance of targeting tau deposition in Alzheimer's disease, ideally in the initial phases of its deposition in axons."

Authors: Christensen KR, Beach TG, Serrano GE, Kanaan NM

**Species**  
Human

**Dilution**  
1:800

**Year**  
2019

Nature

### ApoE4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy.

Authors: Shi Y, Yamada K, Liddel SA, Smith ST, Zhao L, Luo W, Tsai RM, Spina S, Grinberg LT, Rojas JC, Gallardo G, Wang K, Roh J, Robinson G, Finn MB, Jiang H, Sullivan PM, Baufeld C, Wood MW, Sutphen C, McCue L, Xiong C, Del-Aguila JL, Morris JC, Cruchaga C, Fagan AM, Miller BL, Boxer AL, Seeley WW, Butovsky O, Barres BA, Paul SM, Holtzman DM

**Species**  
Mouse

**Dilution**  
1:500

**Year**  
2017

[View more IF references on thermofisher.com](#)

## More applications with references on thermofisher.com

IHC (225)

Misc (1)

ICC (21)

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