

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

Catalog Number MN1020

Product data sheet

Details		Species Reactivity	
Size	100 ug	Tested species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species reactivity	Dog, Rabbit, Rat, Non-human primate, Fruit fly, Hamster, Human, Mouse, Not Applicable
Class	Monoclonal		
Type	Antibody	Tested Applications	
Clone	AT8	ELISA (ELISA)	Dilution *
Immunogen	Partially purified human PHF-Tau	Immunofluorescence (IF)	Assay Dependent
Conjugate	Unconjugated	Immunohistochemistry (Paraffin) (IHC (P))	Assay Dependent
Form	Liquid	Western Blot (WB)	Assay Dependent
Concentration	0.2 mg/ml	Published Applications	
Purification	Protein A	Immunohistochemistry - Free Floating (IHC (Free))	See 12 publications below
Storage buffer	PBS	Western Blot (WB)	See 121 publications below
Contains	no preservative	Immunohistochemistry (Paraffin) (IHC (P))	See 17 publications below
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles	Immunohistochemistry (IHC)	See 163 publications below
		Immunohistochemistry (Frozen) (IHC (F))	See 2 publications below
		Miscellaneous PubMed (MISC)	See 19 publications below
		ELISA (ELISA)	See 2 publications below
		Immunocytochemistry (ICC)	See 21 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

MN1020 targets PHF-tau (Ser202/Thr205)a in ELISA, IF, IHC(P), and WB applications and shows reactivity with Human samples.

The MN1020 immunogen is partially purified human PHF-Tau.

MN1020 detects PHF-tau (Ser202/Thr205)a which has a predicted molecular weight of approximately 79 kDa.

This product is a Low Endotoxin formulation.

Background/Target Information

Paired helical filament (PHF) is a major component of the neurofibrillary tangles involved in the pathology of Alzheimer and quote;s disease. PHFs are composed of the microtubule-associated protein tau in a hyper-phosphorylated state (ref1). Tau protein is produced by a single gene expressed predominantly in neurons. The Tau gene undergoes complex alternative splicing, yielding six different isoforms of tau in the adult brain. Following translation, the tau protein can be further modified by phosphorylation at several different sites

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