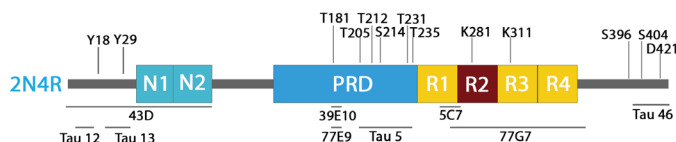


# Anti-Tau

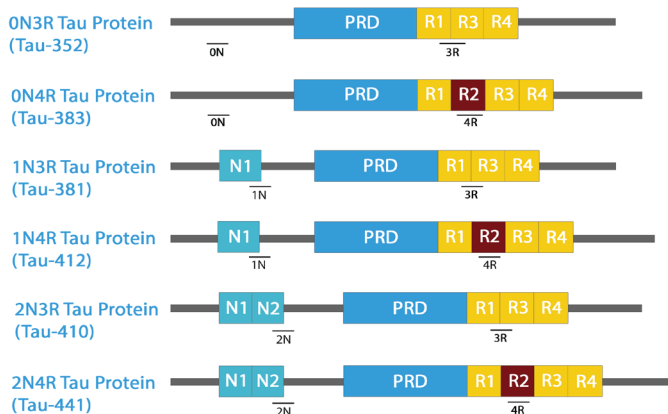
## Antibodies and Reagents

In neurons, Tau (MAPT – microtubule-associated protein tau) is a protein that binds to microtubules (the neuron's transport system), which stabilizes their formation and maintenance. Tau is alternatively spliced into 6 isoforms in the human central nervous system (CNS). The hyperphosphorylation of the tau protein reduces its binding affinity to microtubules, thus disrupting the structural organization and maintenance. Excess levels of unbound tau protein leads to the formation of tau aggregates, insoluble fibrils, and intracellular neurofibrillary tangles observed in Alzheimer's disease (AD) and other tauopathies. BioLegend is proud to offer a wide range of high quality, well-characterized products to support research into the mechanism of neurological processes and implications in neurodegenerative diseases.

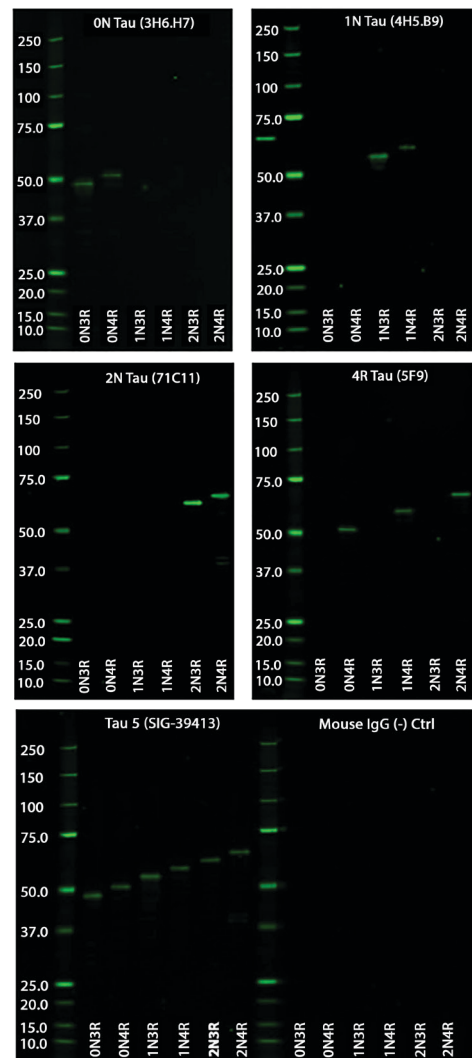
### Anti-Tau Antibody Epitopes



### Anti-Tau Isoform Antibody Epitopes



### Isoform-Specific Tau Western Blots



**Western Blot Parameters:** Anti-0N Tau (MMS-5065), anti-1N Tau (MMS-5066) and anti-4R Tau (MMS-5020) antibodies were each used at 5 µg/mL to detect 0.1 µg of loaded protein. Anti-2N Tau (SIG-39408) and anti-Tau 5 (SIG-39413) were used at 2 µg/mL and 1 µg/mL, respectively, to detect 0.05 µg of loaded protein. Isotype control was matched in concentrations accordingly.



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07-0094-00i

# Tau Antibodies and Recombinant Proteins

For the latest product updates and product information, visit: [antibody.biolegend.com](https://antibody.biolegend.com)

## Anti-Tau Antibody Product List

Specificity	Epitope*	Modification	Cat. No.
0N Tau	0N	Isoform-Specific	MMS-5065
3R Tau	3R	Isoform-Specific	In Development
1N Tau	1N	Isoform-Specific	MMS-5066
4R Tau	4R	Isoform-Specific	MMS-5020
2N Tau	2N	Isoform-Specific	SIG-39408
77E9	189-195	Unmodified	MMS-5018
Tau 39E10	189-195	Unmodified	MMS-5017
Tau 2G9,F10	157-168	Unmodified	MMS-5092
Tau 43D	1-100	Unmodified	SIG-39402
Tau 5C7	267-278	Unmodified	MMS-5019
Tau 77G7	270-375	Unmodified	SIG-39405
Tau 12	2-23	Unmodified	SIG-39416
Tau 13	20-35	Unmodified	MMS-520R
Tau 46	404-441	Unmodified	SIG-39423
Tau 5	210-230	Unmodified	SIG-39413
Rodent Tau**	448-460	Unmodified	PRB-5036
D421 Truncated	D421	Truncation	SIG-39410
SMI 51	PHF	Aggregation	SMI-51R
Tau 2	PHF	Aggregation	SIG-39426
Dimethyl K281 Tau	K281	Methylation	MMS-5101
Dimethyl K311 Tau	K311	Methylation	MMS-5102
Tau-nY18	Y18	Nitration	SIG-39436
Tau-nY29	Y29	Nitration	SIG-39439
Tau [Ser214]**	S214	Phosphorylation	SIG-39455
Tau [Ser235]**	S235	Phosphorylation	SIG-39462
Tau [Ser396]**	S396	Phosphorylation	SIG-39468
Tau [Ser396]	S396	Phosphorylation	MMS-546P
Tau [Ser404]**	S404	Phosphorylation	SIG-39472
Tau [Thr181]**	T181	Phosphorylation	SIG-39442
Tau [Thr205]**	T205	Phosphorylation	SIG-39448
Tau [Thr212]**	T212	Phosphorylation	SIG-39452
Tau [Thr231]**	T231	Phosphorylation	SIG-39458
Tau [Thr231]	T231	Phosphorylation	MMS-545P

## Recombinant Proteins

Specificity	Modification	Cat. No.
0N3R Tau-352	Protein Isoform	PTN-5274
0N4R Tau-383	Protein Isoform	PTN-5277
1N3R Tau-381	Protein Isoform	PTN-5275
1N4R Tau-412	Protein Isoform	PTN-5278
2N3R Tau-410	Protein Isoform	PTN-5276
2N4R Tau-441	Protein Isoform	PTN-5272

\* Epitope numbering is according to the longest CNS tau isoform (2N4R), except for isoform-specific epitopes. For unmodified tau epitopes, an amino acid range is given, but for post-translational modification epitopes, only the modified amino acid is listed.

\*\*Polyclonal antibody.

See all of our Tau products at: [antibody.biolegend.com](https://antibody.biolegend.com)



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