

Tau Monoclonal Antibody (TAU-5), Biotin

| Product Details | |
|--------------------|---|
| Size | 500 µL |
| Species Reactivity | Bovine, Human, Mouse, Sheep, Rat |
| Published Species | Rat, Mouse, Human |
| Host/Isotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | TAU-5 |
| Conjugate | Biotin |
| Immunogen | Purified bovine microtubule-associated proteins |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Protein G |
| Storage buffer | PBS, pH 7.4, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C |
| RRID | AB_10978000 |

| Applications | Tested Dilution | Publications |
|------------------------------|-----------------|-----------------|
| Western Blot (WB) | 1-2 µg/mL | 41 Publications |
| Immunohistochemistry (IHC) | - | 1 Publication |
| Immunocytochemistry (ICC/IF) | Assay-dependent | 3 Publications |
| Immunoprecipitation (IP) | 2 µg/mL | 2 Publications |

Product Specific Information

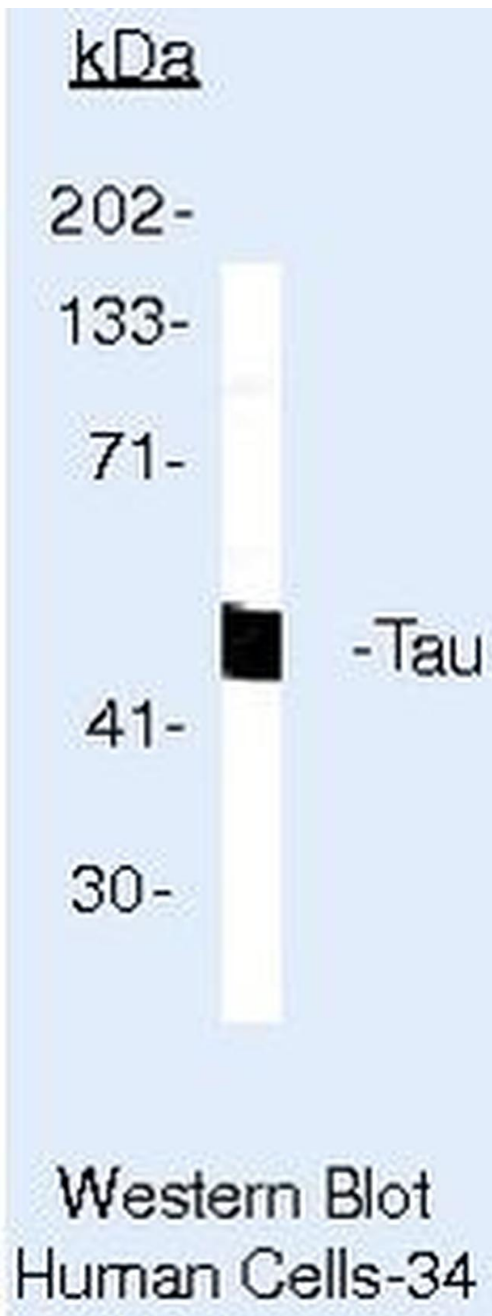
MA5-12805 targets TAU in IF, IP, and WB applications and shows reactivity with Bovine, Human, mouse, Ovine, and Rat samples.

The MA5-12805 immunogen is purified bovine microtubule-associated proteins.

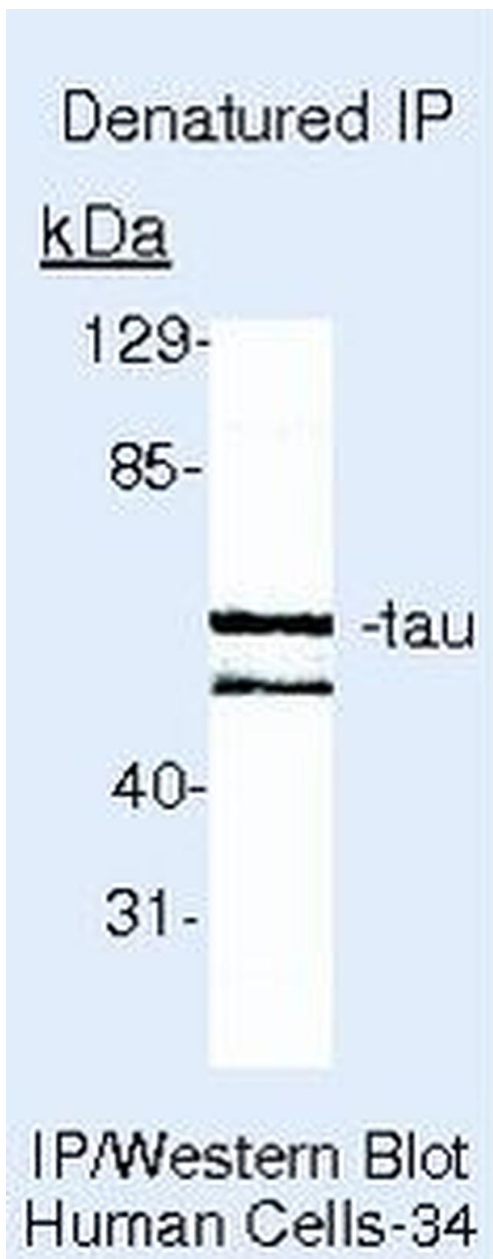
Product Images For Tau Monoclonal Antibody (TAU-5), Biotin

Tau Antibody (MA5-12805) in WB

Western blot of TAU using TAU Monoclonal Antibody (Product # MA5-12805) on IMR-5 Cells.



Tau Antibody (MA5-12805) in IP
Immunoprecipitation of TAU using TAU Monoclonal Antibody (Product # MA5-12805) on denatured Human IMR-5 Cells.



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Western Blot (41)

eLife

Amphiphysin I cleavage by asparagine endopeptidase leads to tau hyperphosphorylation and synaptic dysfunction.

"MA5-12805 was used in Immunohistochemistry to demonstrate that Amphiphysin I mediates tau phosphorylation and synaptic dysfunction in Alzheimer's disease."

Authors: Zhang X,Zou L,Meng L,Xiong M,Pan L,Chen G,Zheng Y,Xiong J,Wang Z,Duong DM,Zhang Z,Cao X,Wang T,Tang L,Ye K,Zhang Z

Species
Mouse

Dilution
1:1000

Year
2021

Acta neuropathologica communications

A soluble truncated tau species related to cognitive dysfunction and caspase-2 is elevated in the brain of Huntington's disease patients.

"MA5-12805 was used in Western Blotting to identify the presence of tau314 proteins in the striatum and prefrontal cortex of human subjects and showed that in both structures levels of Casp2 and tau314 proteins correlate well and both are higher in Huntington's disease patients than non-HD individuals."

Authors: Liu P,Smith BR,Huang ES,Mahesh A,Vonsattel JPG,Petersen AJ,Gomez-Pastor R,Ashe KH

Species
Human

Dilution
1:30000

Year
2019

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

Immunohistochemistry (1)

eLife

Amphiphysin I cleavage by asparagine endopeptidase leads to tau hyperphosphorylation and synaptic dysfunction.

"MA5-12805 was used in Immunohistochemistry to demonstrate that Amphiphysin I mediates tau phosphorylation and synaptic dysfunction in Alzheimer's disease."

Authors: Zhang X,Zou L,Meng L,Xiong M,Pan L,Chen G,Zheng Y,Xiong J,Wang Z,Duong DM,Zhang Z,Cao X,Wang T,Tang L,Ye K,Zhang Z

Species
Mouse

Dilution
1:1000

Year
2021

Immunocytochemistry (3)

Neural plasticity

Memantine Differentially Regulates Tau Phosphorylation Induced by Chronic Restraint Stress of Varying Duration in Mice.

"MA5-12805 was used in Western Blotting to investigate the effects of memantine, an uncompetitive N-methyl-D-aspartate receptor antagonist, on chronic restraint stress- induced tau phosphorylation in mice."

Authors: Liu Y,Cao L,Zhang X,Liang Y,Xu Y,Zhu C

Species
Human

Dilution
Not Cited

Year
2019

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

More applications with references on thermofisher.com

IP (2)

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