

Anti-Microtubule-associated protein tau (MAPT) Antibody

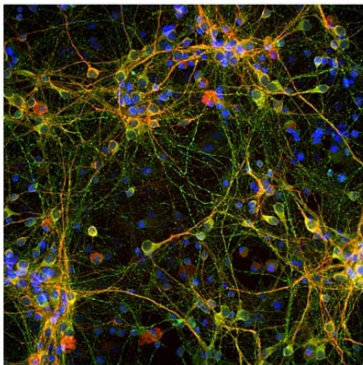


Product Details

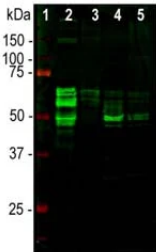
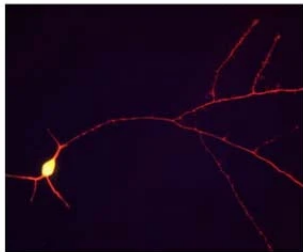
Available Variants	100 µL (SKU:C-1691-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Bovine, Chicken, Horse, Human, Mouse, Pig, Rat
Immunogen	Recombinant full length version of the shortest human tau isoform purified from E. coli.
Specificity	The antibody reacts with multiple closely spaced bands covering the region of the blot from 48 kDa to 67 kDa, with an additional band at 100 kDa. It has also been used successfully for immunocytochemistry. Expected to react with horse, cow, pig, chicken, rat and mouse.
Molecular Weight	48 kDa to 67 kDa, with an additional band at 100 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized, unopened vial at 2-8°C or lower. After reconstitution, prepare aliquots and store at -20°C to -80°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P10636

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Immunofluorescence analysis of tau protein expression in cortical neuron-glial culture from E20 rat. The chicken anti-tau antibody (green, 1:2,000) stains perikarya, dendrites and axons of neurons, while a anti-MAP2 antibody labels only dendrites and perikarya (red). Perikarya and dendrites appear orange-yellow, since they contain both MAP2 and tau proteins. Blue: DAPI nuclear stain.



Left: **Immunofluorescence** staining of E18 hippocampal neurons with chicken anti-Tau antibody C-1691-100 (red). Ubiquitin C-terminal Hydrolase 1 (UCHL1), an abundant cytoplasmic protein of neurons which is concentrated in the perikarya, was double-labelled with M-1407-100. Since the perikarya contain both UCHL1 and Tau, the red and green signals superimpose resulting in yellow color. Neuronal processes, which contain relatively much more tau, appear red. Cell nuclei were stained with DAPI (blue). Right: **Western blot** analysis of tau protein expression in tissue (antibody dilution: 1:10,000). [1] protein standard, [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Tau protein is expressed as multiple isoforms of different molecular weight, and so appears as multiple closely spaced bands in the region of the blot in the range from 48 kDa to 67 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-microtubule-associated-protein-tau-mapt-antibody-c-1691-100

