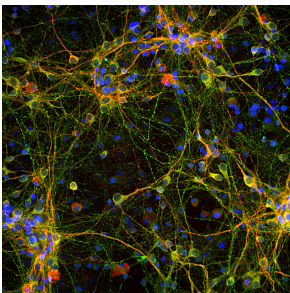


Anti-Tau Antibody (A85414)

Specifications:

Name:	Anti-Tau Antibody
Description:	Chicken polyclonal antibody to Tau.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:10,000, ICC/IF: 1:1,000, IHC: 1:1,000
Reactivity:	Human, Horse, Bovine, Porcine, Rat, Mouse
Immunogen:	Recombinant full-length version of the shortest human Tau isoform, specifically the human 441 amino acid htau40 isoform described by Goedert et al, expressed in and purified from E. coli.
Host:	Chicken
Clonality:	Polyclonal
Isotype:	IgY
Conjugate:	Unconjugated
Molecular Weight:	48-67 kDa (by SDS-PAGE)
Purity:	IgY preparation.
Product Form:	Liquid
Formulation:	Supplied as an aliquot of IgY preparation with 5mM Sodium Azide.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

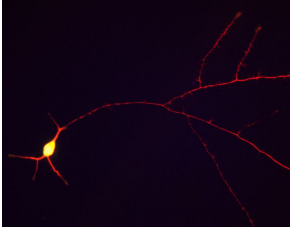
Images:



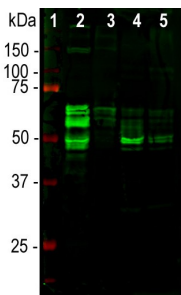
Immunofluorescent analysis of cortical neuron-glia culture from E20 rat stained with Anti-Tau Antibody (1:2,000 | green) and Anti-MAP2 Antibody (A85297 | 1:1,000 | red). The blue is DAPI staining of nuclear DNA. The Anti-Tau Antibody stains perikarya, dendrites and axons of neurons, while the Anti-MAP2 Antibody labels only dendrites and perikarya. As a result, perikarya and dendrites appear orange-yellow, since they contain both MAP2 and tau proteins.

Anti-Tau Antibody (A85414)

Images continued:



We obtained E18 hippocampal neurons and grew them for seven days. We fixed and immunostained with Anti-Tau Antibody (red channel) and Anti-UCHL1 Antibody (A85351 | green). Ubiquitin C-terminal Hydrolase 1 (UCHL1) is an abundant cytoplasmic protein of neurons which is concentrated in the perikarya. Since the perikarya contain both UCHL1 and Tau, the red and green signals superimpose, giving a yellow color, while the processes, which contain relatively much more tau, appear red. Blue stain is DAPI and reveals cell nuclei of some non neuronal cells in these cultures.



Western blot analysis of tissue lysates using Anti-Tau Antibody (1:10,000 | green): [1] protein standard (red), [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.



Stripe blot of crude rat brain extract. Tau protein is expressed as up to 9 different isoforms of different molecular weight and so appears as multiple closely spaced bands covering the region of the blot from 48kDa to 67 kDa, with an additional band at 100 kDa.