

Tau

Cat.No. 314 111; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: not tested yet IP: not tested yet ICC: not tested yet IHC: 1 : 500 (see remarks) IHC-P/FFPE: 1 : 1000 up to 1 : 2000
Clone	110G12
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 44 from human TauE (UniProt Id: P10636-7)
Epitop	Epitop: AA 1 to 44 from human TauE (UniProt Id: P10636-7)
Reactivity	Reacts with: human (P10636-7). Other species not tested yet.
Specificity	Specific for tau.
Remarks	IHC: IHC, IHC-P: This antibody binds phosphorylated and non-phosphorylated tau proteins. It is highly recommended for human tissue.

TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

There are two major classes of heat stable microtubule associated proteins (MAPS): MAP 2 (280 kD), and **tau** (55-65 kD). Both protein classes are involved in the regulation of microtubule polymerization in cells. Tau is a neuronal protein that mainly localizes to axons. Hyperphosphorylated tau has been shown to be a major element of paired helical filaments in Alzheimer's disease.

Selected General References

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