

## 34-1067: Polyclonal Antibody to Microtubule Associated Protein t, MAPT

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Rat, Mouse, Cow, Pig, Horse
<b>Gene :</b>	MAPT
<b>Gene ID :</b>	4137
<b>Uniprot ID :</b>	P10636
<b>Format :</b>	Conc. IgY prep.
<b>Alternative Name :</b>	Neurofibrillary tangle protein,PHF-tau,Paired helical filament-tau
<b>Isotype :</b>	Chicken, IgY
<b>Immunogen Information :</b>	Recombinant full length version of the shortest human Tau isoform purified from E. coli.

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of IgY preparation.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:10,000. IF/ICC and IHC: 1:1,000.

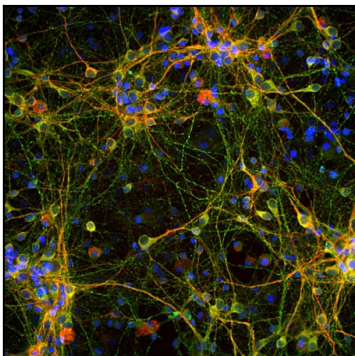


Figure-1: Immunofluorescent analysis of cortical neuron-glia culture from E20 rat stained with chicken pAb to MAP-1<sub>III</sub>, (34-1067), dilution 1:2,000 in green, and costained with mouse mAb to MAP2,(34-1065), dilution 1:1,000, in red. The blue is DAPI staining of nuclear DNA. The (34-1067) antibody stains perikarya, dendrites and axons of neurons, while MAP2 antibody labels only dendrites and perikarya. As a result, perikarya and dendrites appear orange-yellow, since they contain both MAP2 and tau proteins.

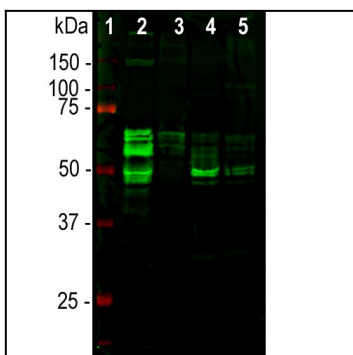


Figure-2: Western blot analysis of tissue lysates using chicken pAb to MAP-1<sub>III</sub>,(34-1067), dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Tau protein is expressed as multiple isoforms of different molecular weight, and so appears as multiple closely spaced bands in the region of the blot in the range from 48 kDa to 67 kDa.