

## Anti-MAP2 antibody (STJA0003676)

STJA0003676

### GENERAL INFORMATION

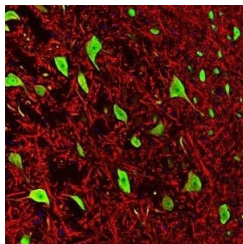
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Chicken polyclonal antibody anti-MAP2 is suitable for use in Western Blot, Immunohistochemistry and Immunocytochemistry research applications.
<b>Applications</b>	WB/IHC/ICC
<b>Host/Source</b>	Chicken
<b>Reactivity</b>	Bovine/Human/Mouse/Rat

### PRODUCT PROPERTIES

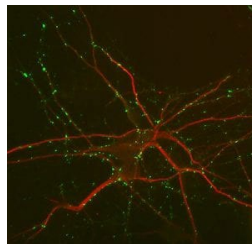
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	This antibody was total igY fraction.
<b>Dilution Range</b>	WB 1:20000 IHC 1:2500-1:10, 000 ICC 1:1000-1:20, 000
<b>Formulation</b>	Total IgY fraction in PBS + 10 mM Sodium Azide.
<b>Isotype</b>	IgY
<b>Storage</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
<b>Instruction</b>	

### TARGET INFORMATION

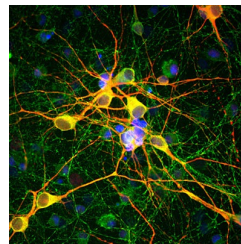
<b>Gene ID</b>	4133
<b>Gene Symbol</b>	MAP2
<b>Uniprot ID</b>	MTAP2_HUMAN
<b>Immunogen</b>	recombinant bovine MAP2 protein expressed in and purification from E. Coli.
<b>Immunogen Region</b>	
<b>Specificity</b>	
<b>Immunogen Sequence</b>	



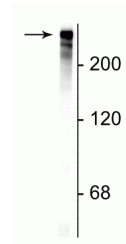
Immunofluorescence of a section of rat brain stem showing colabeled with Anti-MAP2 (STJA0003676, red, 1:5000) and Anti-FOX3 (cat. STJA0003841, green, 1:1000). The Anti-FOX3 specifically labels the nuclei and the proximal cytoplasm of neuronal cells while the Anti-MAP2 labels dendrites and overlaps with FOX3 labeling the perikarya of neurons. The blue is DAPI staining of nuclear DNA.



Immunolabeling of mouse hippocampal cultures labeled with anti-MAP2 (STJA0003676, 1:1000, red) and anti-synapsin (STJA0003781, 1:1000, green).



Immunofluorescence of cortical neuron-glia cell culture from E20 rat labeled with Anti-MAP2 (STJA0003676, red, 1:10,000), and Anti-Tau (green). The blue is DAPI staining of nuclear DNA. The anti-MAP2 antibody stains dendrites and perikarya of neurons, while the anti-TAU antibody labels neuronal perikarya, dendrites and also axonal process. As a result perikarya and dendrites appears orange-yellow, since they contain both MAP2 and tau, while axons are green.



Western blot of rat cortical lysate showing specific immunolabeling of the ~280 kDa MAP2 protein.