

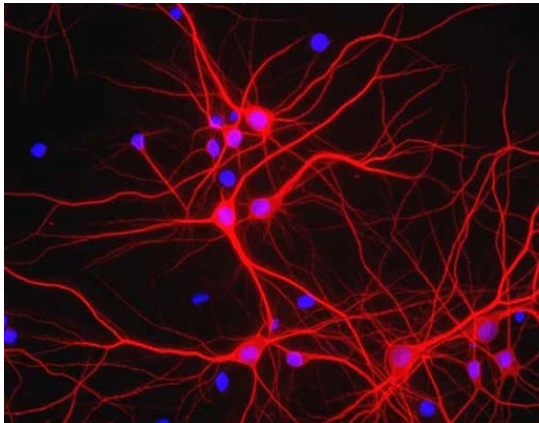
Anti-Microtubule-associated protein 2 (MAP2) Antibody



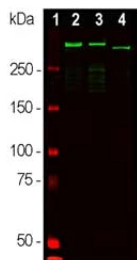
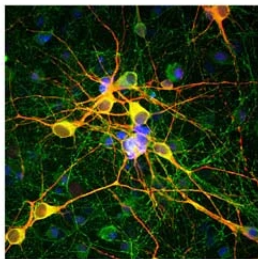
Product Details

Available Variants	50 µL (SKU:C-1382-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:5000-1:10000 ICC: 1:5000-1:10000
Species Reactivity	Bovine, Human, Mouse, Rat
Immunogen	Bovine MAP2 isolated from brain by the GTP microtubule cycling method.
Specificity	The specificity of this antibody has been confirmed by IC. Hu, rat, Ms, Bov.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>P11137</u>
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).

Product Images



View of mixed neuron/glia cultures stained with Chicken polyclonal antibody to Microtubule Associated Protein 2 C-1382-50 (red). The perikarya and dendrites of neurons are strongly and specifically stained with this antibody while the axons of the neurons and the processes of all other cell types in these cultures (astrocytes, oligodendrocytes, microglia, endothelia and fibroblasts) are all negative. Cell nuclei are visualized with DAPI DNA stain.



Left: Analysis of MAP2 expression in cortical neuron-glia cell culture from E20 rat by **Immunocytochemistry** with chicken anti-MAP2 (1:10,000, red), co-stained with a mouse antibody to MAP-tau (green). Blue: DAPI nuclear stain. The MAP2 antibody stains dendrites and perikarya of neurons, while the MAP-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. **Right: Western blot** analysis of whole brain tissue lysates using chicken antibody to MAP2 (1:50,000). [1] protein standard, [2] adult rat brain, [3] embryonic E20 rat brain, [4] adult mouse brain. A strong band at around 280 kDa corresponds to two major isoforms of MAP2 protein referred to as MAP2A and MAP2B. Smaller fragments of these isoforms are also detected if the antibody is used at lower dilutions.

