

Cat. No:	AB-10417
Conjugate:	Unconjugated
Size:	50 ul
Clone:	POLY
Concentration:	1mg/ml
Host:	Ch
Isotype:	IgY
Immunogen:	Full length native protein (purified) corresponding to Cow MAP2. Positive control: ICC: cultured rat cortical neurons. Lipid extraction from egg yolk, followed by ammonium sulphate precipitation.
Reactivity:	Hu, Rt, Ms, Bv, Mamm Western Blot: 1:10000-1:100.000
Applications:	This 280kDa band corresponds to the high molecular weight MAP2a and MAP2b isoforms. Also detects 2 bands at approximately 70 kDa, corresponding to MAPc, since the 70kDa bands are transcripts from the same gene and correspond to the C-terminus of the 280kDa bands. Immunocytochemistry: 1:5000-10.000 Immunofluorescence: 1:5000-10.000 Immunohistochemistry (frozen tissues): 1:5000-10.000 Immunohistochemistry (paraffin-embedded tissues): To be optimized by end user. ELISA: 1:5000
Molecular Weight:	~280kDa
Purification:	Serum
Form:	Liquid
Buffer:	Preservative: 0.02% Sodium azide
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.



Western blot - Anti-MAP2 antibody
All lanes : Anti-MAP2 antibody at 1/50000 dilution
Lane 1 : Adult rat brain lysate
Lane 2 : Embryonic E20 rat brain lysate
Lane 3 : Adult mouse brain lysate



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody PFA-fixed, paraffin embedded sections of sheep cerebellum were stained for MAP2 with AB-10147 at 1/2000 dilution in immunohistochemical analysis. Goat Anti-Chicken IgY H&L (Biotin) was used as secondary antibody at 1/200 dilution. Immunocytochemistry/ Immunofluorescence - Anti-MAP2 antibody Rat E20 cultured cortical neuron-glia cells stained for MAP2 (red) using AB-10147 at 1/2000 dilution for ICC/IF. Tau is detected with a mouse monoclonal anti-Tau antibody (green). The nuclear counter stain is DAPI (blue). Overlap of MAP2 and Tau staining results in an orange-yellow color.
Immunohistochemistry (Formalin/PFA-



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAP2 antibody staining MAP2 in murine brain tissue sections by Immunohistochemistry (PFA fixed). Boiling in citrate-buffer was used as antigen retrieval method. AB-10147 used at a 1/2000 dilution for 12 hours. The secondary used was an Alexa-Fluor 555 conjugated goat anti-chicken polyclonal used at a 1/400 dilution.

fixed paraffin-embedded sections) - Anti-MAP2 antibody staining MAP2 in murine brain tissue sections by Immunohistochemistry (PFA fixed). Boiling in citrate-buffer was used as antigen retrieval method. AB-10147 used at a 1/2000 dilution for 12 hours. The secondary used was an Alexa-Fluor 555 conjugated goat anti-chicken polyclonal used at a 1/400 dilution.

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