Phospho-MAP2 (Thr1620/1623) Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Product Usage Information Application Western Blotting Dilution 1:1000 Storage Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml B5A and 50% glycerol. Store at - 20°C. Do not aliquot the antibody. Specificity/Sensitivity Phospho-MAP2 (Thr/1620/1623. Antibody detexts endogenous MAP2 only when phosphorylated at threonines 1620/1623. This antibody does not cross-react with phosphorylated tau. Species predicted to react based on 100% sequence homology Nouse Source / Purification Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr1620/1633 of human MAP2. Antibodies are purified by protein A and peptide affinity chromatography. Background Microtubules, neuronal morphogenesis, cytoskeleton dynamics, and organelie trafficking in axons and dendrices (1). Multiple MAP2 is oforms are expressed in neurons, including high molecular weight MAP2 and MAP22 (280 and 270 Kola), and tow molecular weight MAP2 and MAP22 (70 and 75 Microtubule stability (3). Background References 1. Sanchez, C. et al. (2000) Prog. Neurobiol. 61, 133-168. 2. Berling, B. et al. (1994) <i>Eur. J. cell Biol.</i> 79, 252-260. Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot. MPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X 1785, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. Applications Key W: Western Blotting Cross-Reactivity Key	Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 82, 280	Source/Isotype: Rabbit	UniProt ID: #P11137	Entrez-Gene Id: 4133		
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