

Polyclonal Antibody to MAP2 (N-term) - Purified

Catalog No.:	AP11881PU-N
Quantity:	0.1 mg
Concentration:	0.25 mg/ml
Background:	This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The exact function of this gene is still unknown. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development.
Uniprot ID:	Q17S04
NCBI:	9606
GeneID:	4133
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human MAP2.
Format:	State: Liquid Ig fraction Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA 1:1,000. Immunohistochemistry 1:50 - 1:100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects MAP2 at N-term. Species: Human. Other species not tested.
Add. Information:	Molecular weight: 199610 Da
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Lauckner, J., et al., Neurobiol. Aging 24(6):767-776 (2003). 2. Laurine, E., et al., J. Biol. Chem. 278(32):29979-29986 (2003). 3. Liu, Y., et al., Adv Anat Pathol 10(2):101-106 (2003). 4. DeTure, M.A., et al., J. Biol. Chem. 277(38):34755-34759 (2002). 5. Al-Bassam, J., et al., J. Cell Biol. 157(7):1187-1196 (2002).

Pictures:

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

