

Basic Information

Product Name	Anti-MAP2 Antibody	
Gene Name	MAP2	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human MAP2 recombinant protein (Position: A360-E1101).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	280 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

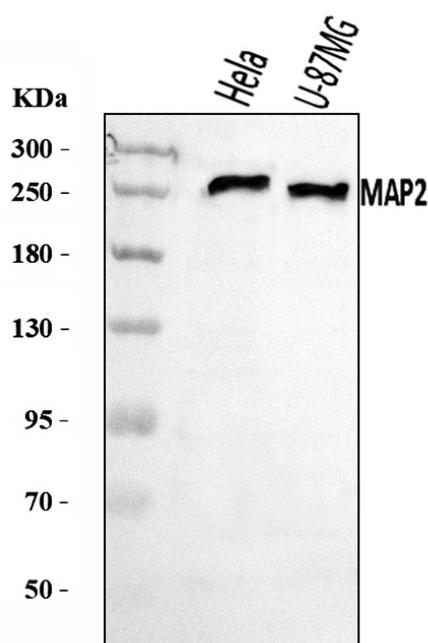
Background Information

Microtubule-associated protein 2 is a protein that in humans is encoded by the MAP2 gene. 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 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. A number of alternatively spliced variants encoding distinct isoforms have been described.

Reference

Anti-MAP2 Antibody被引用在26文献中。

Selected Validation Data



Western blot analysis of MAP2 using anti-MAP2 antibody (A01201-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HeLa whole cell lysates,

Lane 2: U-87MG whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

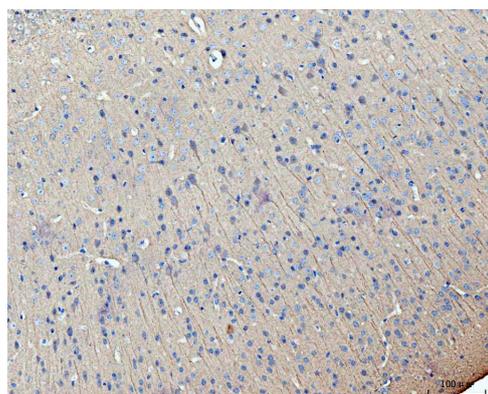
Then the membrane was incubated with rabbit anti-MAP2 antigen

affinity purified polyclonal antibody (A01201-4) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for MAP2 at approximately 280 kDa. The expected band size for MAP2 is at 200 kDa.



IHC analysis of MAP2 using anti-MAP2 antibody (A01201-4).

MAP2 was detected in a paraffin-embedded section of mouse brain

tissue. Biotinylated goat anti-rabbit IgG was used as secondary

antibody. The tissue section was incubated with rabbit anti-MAP2

Antibody (A01201-4) at a dilution of 1:200 and developed using

Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB

(Catalog # AR1027) as the chromogen.