

Anti-MAP-2 Rabbit pAb



WL04217

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-MAP-2 Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:500-1:1000	
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background

Microtubule-associated protein 2 (MAP2) is a neuronal phosphoprotein that regulates the structure and stability of microtubules, neuronal morphogenesis, cytoskeleton dynamics, and organelle trafficking in axons and dendrites. MAP2 binds in a cooperative manner, with many MAP2 proteins binding a single microtubule to promote stabilization. Multiple MAP2 isoforms are expressed in neurons, including high molecular weight MAP2A and MAP2B, and low molecular weight MAP2C and MAP2D. . The suppression of microtubule dynamic instability by the MAP proteins is thought to be associated with phosphorylation of the MAPs.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of MAP-2.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

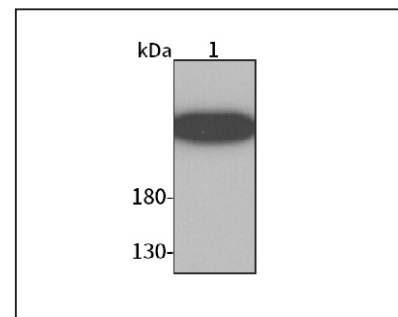
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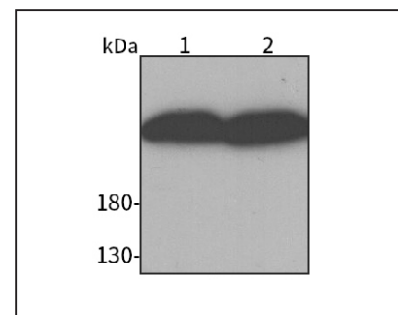
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Product Images



Western blot-Anti-MAP-2 pAb

Lane 1: Human SH-SY5Y cell lysate
All lanes: Anti-MAP-2 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 280 kDa
 Observed band size: 280 kDa



Western blot-Anti-MAP-2 pAb

Lane 1: Mouse brain tissue lysate
Lane 2: Rat brain tissue lysate
All lanes: Anti-MAP-2 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 280 kDa
 Observed band size: 280 kDa