

## MAP-2 rabbit pAb

**Cat#: orb769044 (Manual)**

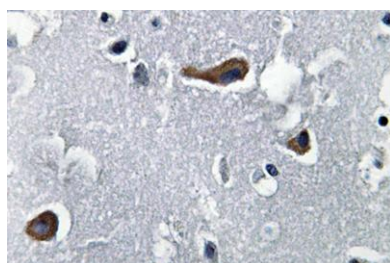
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<b>Product Name</b>	MAP-2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MAP-2. AA range:14-63
<b>Specificity</b>	MAP-2 Polyclonal Antibody detects endogenous levels of MAP-2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Microtubule-associated protein 2
<b>Gene Name</b>	MAP2
<b>Cellular localization</b>	Cytoplasm, cytoskeleton . Cell projection, dendrite .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

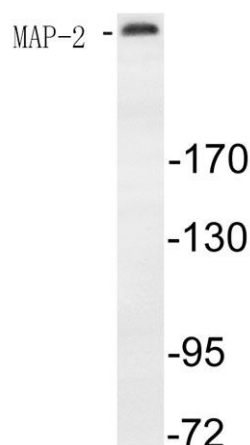
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	280kD
<b>Human Gene ID</b>	4133
<b>Human Swiss-Prot Number</b>	P11137
<b>Alternative Names</b>	MAP2; Microtubule-associated protein 2; MAP-2

### 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 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. [provided by RefSeq, Jan 2010],



**Immunohistochemistry analysis of MAP-2 antibody in paraffin-embedded human brain tissue.**



**Western blot analysis of lysate from mouse brain, using MAP-2 antibody.**



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