



# Anti-MAP2 polyclonal antibody (CABT-BL2271)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Brain MAP2 (Cow)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Bovine
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, Electron Microscopy, ICC/IF, WB, IF
<b>Cellular Localization</b>	Cytoplasm; cytoskeleton.
<b>Format</b>	Liquid
<b>Buffer</b>	antiserum
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## BACKGROUND

<b>Introduction</b>	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. MAP2 serves to stabilize microtubules (MT) growth by crosslinking MT with intermediate filaments and other MT. The products of similar genes in rat and Mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in
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determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">4133</a>
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Protein Refseq	<a href="#">NP_001034627</a>
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UniProt ID	<a href="#">P11137</a>
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