



Anti-MAP2 polyclonal antibody (CABT-BL2272)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide as a part of rat and mouse MAP2, conjugated to an immunogenic carrier protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	IHC-P, IHC-Fr, WB
Cellular Localization	Cytoplasm; cytoskeleton.
Format	Liquid
Buffer	Whole serum
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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
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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 determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.

GENE INFORMATION

Entrez Gene ID	25595
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Protein Refseq	NP_037198
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UniProt ID	Q64715
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