



Anti-MAP2 polyclonal antibody (CABT-BL2273)

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

PRODUCT INFORMATION

Immunogen	Two synthetic peptides corresponding to different regions of the MAP2 gene product, but shared between the human and mouse (P20357, NCBI) sequences conjugated to KLH.
Isotype	IgY
Source/Host	Chicken
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Cellular Localization	Cytoplasm; cytoskeleton.
Format	Liquid
Size	500 µl
Buffer	10mM PBS isotonic (0.9%, w/v), pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at +4°C in the dark. Do not freeze.

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
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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 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	4133
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Protein Refseq	NP_001034627
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UniProt ID	P11137
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