



# Human MAP2 peptide (DAG-P0744)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 3 Tau/MAP repeats.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MAP2 microtubule-associated protein 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MAP2
<b>Synonyms</b>	MAP2; microtubule-associated protein 2; MAP2A; MAP2B; MAP2C; MAP-2;
<b>Entrez Gene ID</b>	<a href="#">4133</a>
<b>mRNA Refseq</b>	<a href="#">NM_001039538.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001034627.1</a>

<b>UniProt ID</b>	P11137
<b>Chromosome Location</b>	2q34-q35
<b>Pathway</b>	LKB1 signaling events, organism-specific biosystem; MAPK Cascade, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
<b>Function</b>	calmodulin binding; dystroglycan binding; microtubule binding; protein binding; structural molecule activity;