



# Human MAP4 peptide (DAG-P0778)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 4 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="#">MAP4 microtubule-associated protein 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MAP4
<b>Synonyms</b>	MAP4; microtubule-associated protein 4; MAP-4;
<b>Entrez Gene ID</b>	<a href="#">4134</a>

<b>mRNA Refseq</b>	<a href="#">NM_001134364.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001127836.1</a>
<b>UniProt ID</b>	P27816
<b>Chromosome Location</b>	3p21
<b>Function</b>	microtubule binding; poly(A) RNA binding; protein binding; structural molecule activity;