



Human MAP4 peptide (DAG-P0778)

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

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 4 Tau/MAP repeats.
Format	Liquid
Preservative	None
Storage	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

Gene Name	MAP4 microtubule-associated protein 4 [Homo sapiens (human)]
Official Symbol	MAP4
Synonyms	MAP4; microtubule-associated protein 4; MAP-4;
Entrez Gene ID	4134

mRNA Refseq	NM_001134364.1
Protein Refseq	NP_001127836.1
UniProt ID	P27816
Chromosome Location	3p21
Function	microtubule binding; poly(A) RNA binding; protein binding; structural molecule activity;
