

MAP4 (phospho S1073) polyclonal antibody

Catalog # PAB15916 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAP4.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S1073 of human MAP4.
Sequence	EKAQAKVG(p)SLDNVGHLPAGG
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAP4

Entrez GeneID [4134](#)

Gene Name	MAP4
Gene Alias	DKFZp779A1753, MGC8617
Gene Description	microtubule-associated protein 4
Omim ID	157132
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	-

Publication Reference

- [Beta-tubulin isotype classes II and V expression patterns in nonsmall cell lung carcinomas.](#)
Cucchiarelli V, Hiser L, Smith H, Frankfurter A, Spano A, Correia JJ, Lobert S.
Cell Motility and the Cytoskeleton 2008 Aug; 65(8):675.
- [Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening.](#)
Wu C, Ma MH, Brown KR, Geisler M, Li L, Tzeng E, Jia CY, Jurisica I, Li SS.
Proteomics 2007 Jun; 7(11):1775.
- [A probability-based approach for high-throughput protein phosphorylation analysis and site localization.](#)
Beausoleil SA, Villén J, Gerber SA, Rush J, Gygi SP.
Nature Biotechnology 2006 Oct; 24(10):1285.

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Schizophrenia](#)