

# MAP4 (phospho S941) polyclonal antibody

Catalog # PAB5635      Size 100 ug

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAP4.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S941 of human MAP4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	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 -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	<a href="#">4134</a>
Gene Name	MAP4

Gene Alias	DKFZp779A1753, MGC8617
Gene Description	microtubule-associated protein 4
Omim ID	<a href="#">157132</a>
Gene Ontology	<a href="#">Hyperlink</a>
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

- [LKB1 loss in melanoma disrupts directional migration toward extracellular matrix cues.](#)

Chan KT, Asokan SB, King SJ, Bo T, Dubose ES, Liu W, Berginski ME, Simon JM, Davis IJ, Gomez SM, Sharpless NE, Bear JE.

The Journal of Cell Biology 2014 Oct; 207(2):299.

Application: WB-Ce, Mouse, LKB498 cells

## Disease

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