



## **Anti-MAP4 (microtubule-associated protein 4 isoform 4) Phospho Polyclonal Antibody**

**Category:** Phospho-Polyclonal Antibody

**Catalog #:** S1046 Phospho-AB3J023-Mouse(Phospho Site: 1046S)

**Antigen Synonym:** DKFZp779A1753, MGC8617

**Species Reactivity:** Mouse

### **Immunogen/Specificity:**

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human MAP4 (microtubule-associated protein 4 isoform 4)

**Description:** MAP4 (microtubule-associated protein 4 isoform 4) 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.

### **Reference:**

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Beausoleil,S.A., et al, Nat. Biotechnol. 24 (10), 1285-1292 (2006)  
Ookata,K., et al, J. Cell Biol. 128 (5), 849-862 (1995)  
Chapin,S.J., et al, Biochemistry 34 (7), 2289-2301 (1995)  
Chapin,S.J. and Bulinski,J.C., Cell Motil. Cytoskeleton 23 (4), 236-243 (1992)  
West,R.R., et al, J. Biol. Chem. 266 (32), 21886-21896 (1991)

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