

## MAP4

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**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**121kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human MAP4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Catalog #:**A5906

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4134

**Isotype:**IgG

**Swiss Prot:**P27816

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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