A5906

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MAP4 Rabbit pAb

Catalog No.: A5906 **1 Publications**

Basic Information

Observed MW
200kDa

Calculated MW
121kDa

Category
Mouse Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human,Mouse

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID
4134

Swiss Prot
P27816

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 942-1152 of human MAP4 (NP_002366.2).

Synonyms
MAP4

Contact

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Product Information

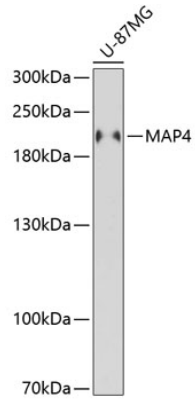
Source
Rabbit

Isotype
IgG

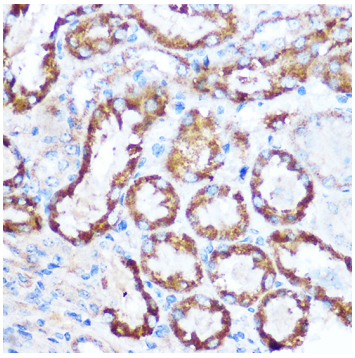
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from U-87MG cells, using MAP4 Rabbit pAb (A5906) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of MAP4 in paraffin-embedded mouse kidney using MAP4 Rabbit pAb (A5906) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.