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Datasheet for ABIN966516

anti-MAP4 antibody (Isoform 4)

7 Publications

Overview

Quantity:	0.1 mg
Target:	MAP4
Binding Specificity:	Isoform 4
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

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

Target:	MAP4
Alternative Name:	MAP4 (MAP4 Products)
Background:	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

Target Details

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.
Synonyms: DKFZp779A1753, MGC8617

Pathways: [p53 Signaling](#), [Microtubule Dynamics](#)

Application Details

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Williams, Werner-Fraczek, Chang, Bailey-Serres: "Regulated phosphorylation of 40S ribosomal protein S6 in root tips of maize." in: **Plant physiology**, Vol. 132, Issue 4, pp. 2086-97, (2003) ([PubMed](#)).

McBride, Nemer: "The C-terminal domain of c-fos is required for activation of an AP-1 site specific for jun-fos heterodimers." in: **Molecular and cellular biology**, Vol. 18, Issue 9, pp. 5073-81, (1998) ([PubMed](#)).

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