



Rabbit Anti-phospho-MAP4 (Ser941) antibody

SL5438R

Product Name:	phospho-MAP4 (Ser941)
Chinese Name:	磷酸化微管相关蛋白4抗体
Alias:	MAP4 (phospho S941); p-MAP4 (phospho S941); MAP4(phospho Ser941); DKFZp779A1753; MAP-4; MAP4; MAP4_HUMAN; MGC8617; Microtubule associated protein 4; Microtubule-associated protein 4; OTTHUMP00000210723; OTTHUMP00000210725; OTTHUMP00000210727; OTTHUMP00000210730.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	121kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human MAP4 around the phosphorylation site of Ser941:VG(p-S)TE
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The MAP4 (Microtubule associated protein 4)is a non neuronal microtubule associated protein. It promotes microtubule assembly.The phosphorylation of the Pro rich region

in the C-terminus negatively regulates MAP4 activity to promote microtubule assembly.

Function:

Non-neuronal microtubule-associated protein. Promotes microtubule assembly.

Subunit:

Interacts with SEPT2; this interaction impedes tubulin-binding.

Subcellular Location:

Cytoplasm, cytoskeleton.

Post-translational modifications:

Phosphorylated at serine residues in K-X-G-S motifs by MAP/microtubule affinity-regulating kinase (MARK1 or MARK2), causing detachment from microtubules, and their disassembly (By similarity). Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338.

Similarity:

Contains 4 Tau/MAP repeats.

SWISS:

P27816

Gene ID:

4134

Database links:

[Entrez Gene: 4134](#)Human

[Entrez Gene: 17758](#)Mouse

[Entrez Gene: 367171](#)Rat

[Omim: 157132](#)Human

[SwissProt: P27816](#)Human

[SwissProt: P27546](#)Mouse

[SwissProt: Q5M7W5](#)Rat

[Unigene: 517949](#)Human

[Unigene: 217318](#)Mouse

[Unigene: 443428](#)Mouse

[Unigene: 484451](#)Mouse

[Unigene: 203122](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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