

## Anti-MAP-4 antibody

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|-------------------------|---|
| <b>Description</b>      | Rabbit polyclonal to MAP-4.   |
| <b>Model</b>            | STJ94002  |
| <b>Host</b>             | Rabbit  |
| <b>Reactivity</b>       | Human, Mouse, Rat   |
| <b>Applications</b>     | ELISA, IF, IHC  |
| <b>Immunogen</b>        | Synthesized peptide derived from human MAP-4 around the non-phosphorylation site of S696.                             |
| <b>Immunogen Region</b> | 640-720 aa  |
| <b>Gene ID</b>          | <a href="#">4134</a>  |
| <b>Gene Symbol</b>      | <a href="#">MAP4</a>  |
| <b>Dilution range</b>   | IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000  |
| <b>Specificity</b>      | MAP-4 Polyclonal Antibody detects endogenous levels of MAP-4 protein.   |
| <b>Purification</b>     | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Note</b>             | For Research Use Only (RUO).  |
| <b>Protein Name</b>     | Microtubule-associated protein 4 MAP-4  |
| <b>Molecular Weight</b> | 121.019 kDa   |
| <b>Clonality</b>        | Polyclonal  |
| <b>Conjugation</b>      | Unconjugated  |

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| <b>Isotype</b>                          | IgG  |
| <b>Formulation</b>                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Concentration</b>                    | 1 mg/ml  |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.   |
| <b>Database Links</b>                   | <a href="https://www.ncbi.nlm.nih.gov/condensedset/condensedset.cgi?acc=HGNC:6862OMIM:157132">HGNC:6862OMIM:157132</a>   |
| <b>Alternative Names</b>                | Microtubule-associated protein 4 MAP-4   |
| <b>Function</b>                         | Non-neuronal microtubule-associated protein. Promotes microtubule assembly.  |
| <b>Cellular Localization</b>            | Cytoplasm, cytoskeleton.   |
| <b>Post-translational Modifications</b> | 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 . Phosphorylation on Ser-787 negatively regulates MAP4 activity to promote microtubule assembly. Isoform 3 is phosphorylated on Ser-337 and Ser-338. |

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