

## Rabbit anti-Human MAP4 Polyclonal Antibody | anti-MAP4 antibody

MAP4 antibody - N-terminal region

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA201006</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

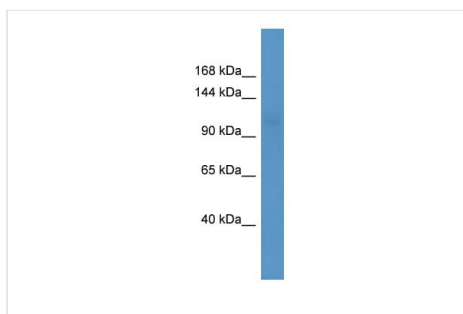
### PRODUCT SYNONYMS

MAP4; Polyclonal Antibody; MAP4 antibody - N-terminal region; anti-MAP4 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: LK ETERASPIKM DLAPSKDMGP PKENKKETER ASPIKMDLAP SKDMGPPK                                                  |
| Sequence Length                                | 1152                                                                                                                                                  |
| Applicable Applications for anti-MAP4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                       | Human: 100%                                                                                                                                           |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the N terminal region of human MAP4                                                             |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

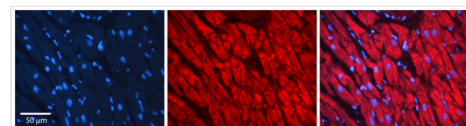
### IMAGES



#### WB (Western Blot)

WB Suggested Anti-MAP4 Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:312500

Control: Jurkat cell lysate



#### IHC (Immunohistochemistry)

Rabbit Anti-MAP4 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue  
Observed Staining: Cytoplasmic  
Primary Antibody Concentration: 1:100  
Other Working Concentrations: N/A  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAP4 antibody | <p>This is a rabbit polyclonal antibody against MAP4. It was validated on Western Blot</p> <p>Target Description: MAP4 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.</p> |
| Product Categories/Family for anti-MAP4 antibody   | Polyclonal; Signaling Intermediate; Cell Biology; Developmental Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 47519639                                   |
| NCBI GeneID                      | 4134                                       |
| NCBI Accession #                 | NP_002366                                  |
| NCBI GenBank Nucleotide #        | NM_002375                                  |
| UniProt Accession #              | P27816                                     |
| Molecular Weight                 | 121kDa                                     |
| NCBI Official Full Name          | microtubule-associated protein 4 isoform 1 |
| NCBI Official Synonym Full Names | microtubule associated protein 4           |
| NCBI Official Symbol             | MAP4                                       |
| NCBI Protein Information         | microtubule-associated protein 4           |
| UniProt Protein Name             | Microtubule-associated protein 4           |
| UniProt Gene Name                | MAP4                                       |
| UniProt Entry Name               | MAP4_HUMAN                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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