

# Rabbit anti-Human, Rat Microtubule Associated Protein 4 Polyclonal Antibody | anti-MAP4 antibody

Polyclonal Antibody to Microtubule Associated Protein 4 (MAP4)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA20859  | Rabbit | Human, Rat | Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA |

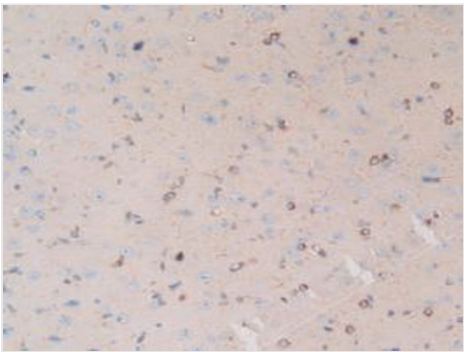
## PRODUCT SYNONYMS

Microtubule Associated Protein 4; Polyclonal Antibody; Polyclonal Antibody to Microtubule Associated Protein 4 (MAP4); anti-MAP4 antibody

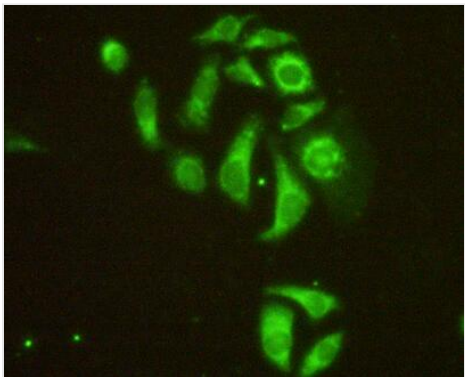
## PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                     | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against MAP4. It has been selected for its ability to recognize MAP4 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                         |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal His-tag and a T7-tag and its sequence is listed below.<br>MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-ADLSLVDA LTEPPPEIEG EIKRDFMAAL<br>EAEPYDDIVG ETVEKTEFIP LLDGDEKSGN SESKRKPCVD TSQVEDIPSS KPTLLANGDH GVEGNNTTGS<br>PTDFLVENVY YEDYQNSQSW PEDASFCFQP QQVLDTNQAD PFNVHHDDGL ADLLFVSSGP TNASAFIEEN<br>NPLEDYGVY PCDSFAPTAV VSQEWSVGAP DSPHSEPCVS PEVTIETAQP ATELSKAVDL ESVEQLPAK<br>ALEMMAGQTT D |
| Applicable Applications for anti-MAP4 antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                        |
| Application Notes                              | Western blotting: 0.5-3ug/mL<br>Immunohistochemistry: 5-20ug/mL<br>Immunocytochemistry: 5-20ug/mL<br>Optimal working dilutions must be determined by end user.                                                                                                                                                                                                                                                                                         |
| Fragment                                       | MAP4 (Ala2~Asp250)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Organism Species                               | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cross Reactivity                               | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen                                      | Recombinant MAP4 (Ala2~Asp250) expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                          |

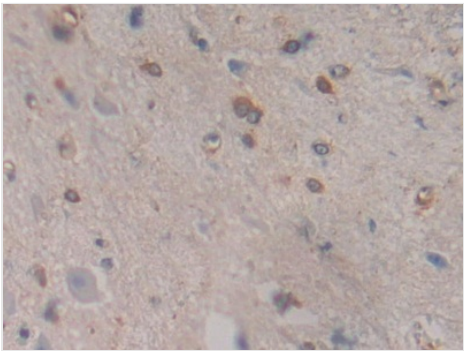
IMAGES



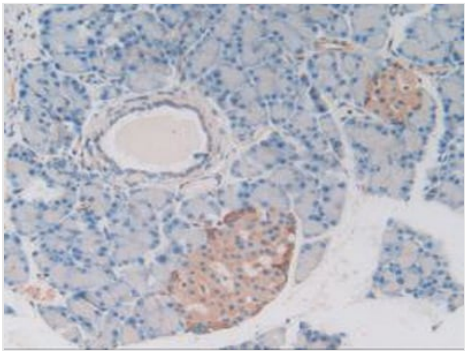
IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Rat Brain Tissue



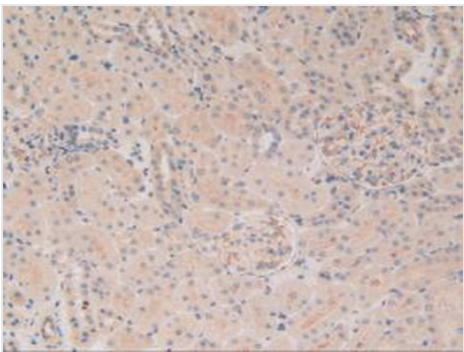
IHC (Immunohistochemistry)  
FITC staining on IHC-P Simple: Hela cells



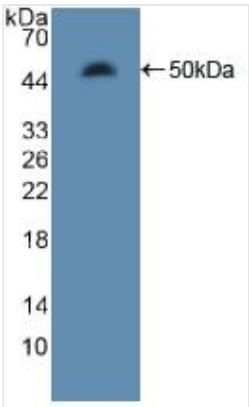
IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Rat Spinal Cord Tissue



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Rat Pancreas Tissue



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Rat Kidney Tissue.



WB (Western Blot)  
Western Blot: Sample: Recombinant MAP4, Rat.

NCBI AND UNIPROT INFORMATION

|                           |                                  |
|---------------------------|----------------------------------|
| NCBI GI #                 | 66730360                         |
| NCBI GeneID               | 367171                           |
| NCBI Accession #          | NP_001019449.1                   |
| NCBI GenBank Nucleotide # | NM_001024278.1                   |
| UniProt Accession #       | Q5M7W5; Q75NR5; Q75NR6           |
| Molecular Weight          | 102,840 Da                       |
| NCBI Official Full Name   | microtubule-associated protein 4 |

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI Official Synonym Full Names | microtubule-associated protein 4 |
| NCBI Official Symbol             | Map4                             |
| NCBI Official Synonym Symbols    | Mtap4                            |
| NCBI Protein Information         | microtubule-associated protein 4 |
| UniProt Protein Name             | Microtubule-associated protein 4 |
| UniProt Gene Name                | <b>Map4</b>                      |
| UniProt Synonym Gene Names       | MAP-4                            |

**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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/microtubule-associated-protein-4-antibody-western-blot-immunocytochemistry-immunohistochemistry-elisa/20859>