

## Rabbit anti-Human MAPT/Tau Polyclonal Antibody | anti-MAPT antibody

MAPT/Tau Rabbit anti-Human Polyclonal Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA163171</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

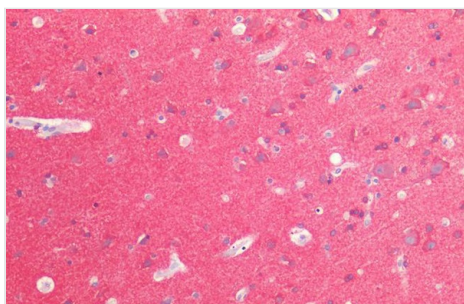
### PRODUCT SYNONYMS

MAPT/Tau; Polyclonal Antibody; MAPT/Tau Rabbit anti-Human Polyclonal Antibody; PathPlus MAPT/Tau Antibody; MAPT; FTDP-17; MSTD; Neurofibrillary tangle protein; PHF-tau; MTBT2; PPND; DDPAC; MAPTL; MTBT1; Paired helical filament-tau; TAU; anti-MAPT antibody

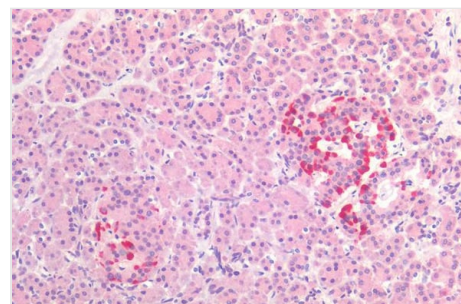
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                |
| Purity/Purification                            | Immunoaffinity purified                                                                                                                                   |
| Form/Format                                    | PBS, 0.1% Sodium Azide                                                                                                                                    |
| Concentration                                  | 0.9mg/ml (varies by lot)                                                                                                                                  |
| Applicable Applications for anti-MAPT antibody | IHC (Immunohistochemistry)                                                                                                                                |
| Target                                         | Human MAPT/Tau                                                                                                                                            |
| Immunogen                                      | LP-12406, synthetic peptide                                                                                                                               |
| Conjugation                                    | Unconjugated                                                                                                                                              |
| Preparation and Storage                        | Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles. |

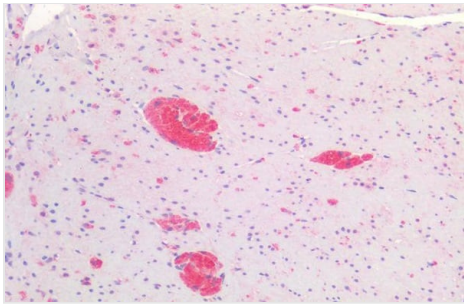
### IMAGES


**IHC (Immunohistochemistry)**

MAPT/Tau Antibody-Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)


**IHC (Immunohistochemistry)**

MAPT/Tau Antibody-Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)  
 MAPT/Tau Antibody-Human Small Intestine, Ganglia: Formalin-Fixed, Paraffin-Embedded (FFPE)

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-MAPT antibody</b> | Tau antibody is an unconjugated rabbit polyclonal antibody to Tau (MAPT) from human. Validated for IHC. Tau proteins are microtubule-associated proteins transcribed from the MAPT gene. They promote microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. In Alzheimer's disease, the neuronal cytoskeleton in the brain is progressively disrupted and replaced by tangles of paired helical filaments (PHF) and straight filaments, mainly composed of hyperphosphorylated forms of TAU. Abnormal quantities of Tau protein in neurons and sometimes astrocytes are also seen in progressive supranuclear palsy. In immunohistochemistry of normal tissue, Tau has positive cytoplasmic staining in the central nervous system, renal tubules and in peripheral nerves, with some expression in other tissues including skeletal muscle, kidney and breast. |
| <b>References</b>                                         | J Mol Biol. 2016 May 8;428(9 Pt A):1742-59, PMID: 26996940; PNAS. 2015 June. 112 (24) 7501-7506, DOI: 10.1073/pnas.1504081112; Acta Neuropathol. 1991;81(6):591-6, PMID: 1831952                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 294862258                                                                                                                                                                                                    |
| NCBI GeneID                      | 4137                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_001116538.2                                                                                                                                                                                               |
| NCBI GenBank Nucleotide #        | NM_016835                                                                                                                                                                                                    |
| UniProt Accession #              | P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3                                                                                                               |
| Molecular Weight                 | 78,928 Da                                                                                                                                                                                                    |
| NCBI Official Full Name          | microtubule-associated protein tau isoform 6                                                                                                                                                                 |
| NCBI Official Synonym Full Names | microtubule-associated protein tau                                                                                                                                                                           |
| NCBI Official Symbol             | MAPT                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17                                                                                                                                                         |
| NCBI Protein Information         | microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1 |
| UniProt Protein Name             | Microtubule-associated protein tau                                                                                                                                                                           |
| UniProt Gene Name                | <b>MAPT</b>                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | MAPTL; MTBT1; TAU; PHF-tau                                                                                                                                                                                   |
| UniProt Entry Name               | TAU_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.

