

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

MAPT/Tau Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163170	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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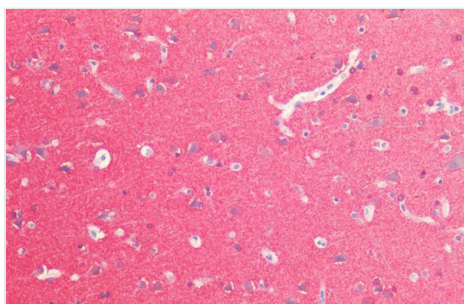
PRODUCT SYNONYMS

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

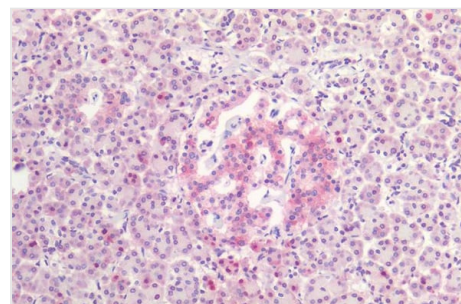
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MAPT antibody	IHC (Immunohistochemistry)
Target	Human MAPT/Tau
Immunogen	LP-12398, synthetic peptide
Conjugation	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



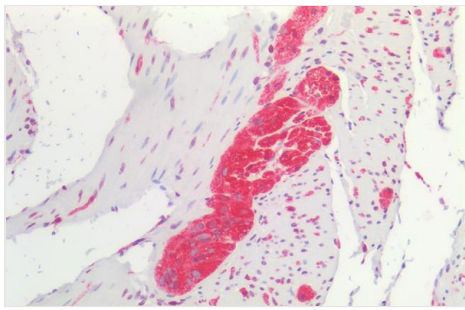
IHC (Immunohistochemistry)

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: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-MAPT antibody	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.
References	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; Q5XWFO; 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	MAPT
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.