

Rabbit TAU Polyclonal Antibody | anti-TAU antibody

TAU Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40731	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

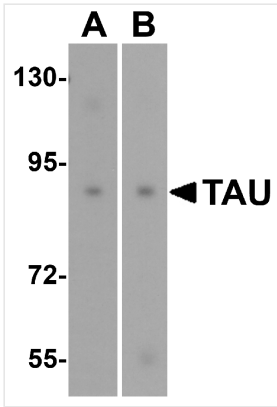
PRODUCT SYNONYMS

TAU; Polyclonal Antibody; TAU Antibody; Microtubial-associated protein tau; MAPT; MAPTL; DDPAC; FTDP-17L; MSTD; MTBT1; MTBT2; PPND; PPP1R103; microtubule-associated protein tau; anti-TAU antibody

PRODUCT SPECIFICATIONS

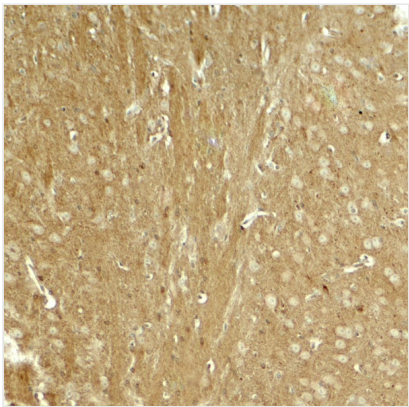
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TAU antibody is human, mouse and rat reactive. Multiple isoforms of TAU are known to exist; this antibody will only detect the two longest isoforms.
Purity/Purification	TAU antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	758
Applicable Applications for anti-TAU antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TAU antibody was raised against a 19 amino acid peptide near the amino terminus of human TAU.
Buffer	TAU antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TAU antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



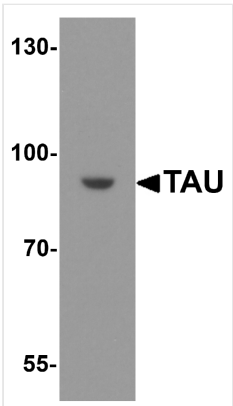
WB (Western Blot)

Western blot analysis of TAU in (A) human and (B) rat brain tissue lysate with TAU antibody at 1 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of TAU in mouse brain tissue with TAU antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of TAU in SK-N-SH cell lysate with TAU antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TAU antibody

The microtubial-associated protein TAU (MAPT), more commonly known as TAU, is is normally a highly soluble protein found predominantly in neurons (1), but accumulations of highly phosphorylated tau protein aggregates are observed in several neurodegenerative diseases including Alzheimer's disease, progressive supranuclear palsy, corticobasal degeneration, and frontotemporal lobar dementia. It was thought that these pathological tau aggregates were the toxic form of tau, but recent studies indicate that soluble and highly phosphorylated tau species are more closely associated with synaptic dysfunction and cell loss (2,3). Mutations in the TAU gene have also been associated with several of these neurodegenerative diseases (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862261
NCBI GeneID	4137
NCBI Accession #	NP_058519
NCBI GenBank Nucleotide #	NM_016835.4
UniProt Accession #	P10636; P18518; Q14799; Q15549; Q15550; Q15551; Q1RMF6; Q53YB1; Q5CZ17; Q5XWF0; Q6QT54; Q9UDJ3
Molecular Weight	Predicted: 83 kDa Observed: 90 kDa
NCBI Official Full Name	microtubule-associated protein tau isoform 1

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; PPP1R103
NCBI Protein Information	microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; protein phosphatase 1, regulatory subunit 103; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tau-antibody-immunohistochemistry-western-blot-elisa/40731>