

Rabbit MAPT Polyclonal Antibody | anti-MAPT antibody

MAPT antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199859	Rabbit	Human, Mouse, Pig, Rat	Western Blot, Immunohistochemistry

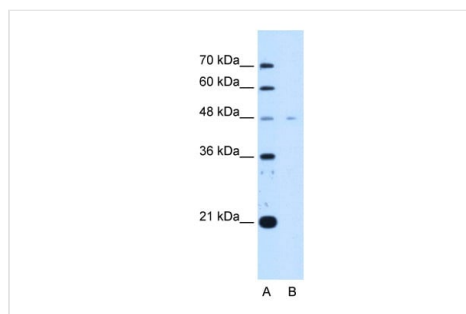
PRODUCT SYNONYMS

MAPT; Polyclonal Antibody; MAPT antibody - middle region; anti-MAPT antibody

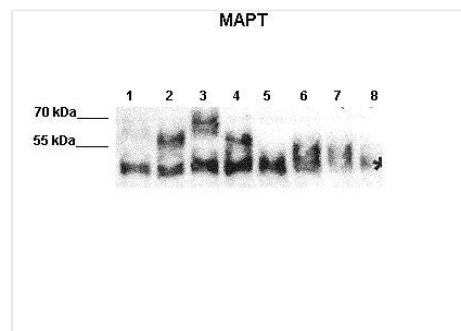
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Pig, Rat
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: RG AAPPGQKGQA NATRIPAKTP PAPKTPPSSG EPPKSGDRSG YSSPGSPG
Sequence Length	441
Applicable Applications for anti-MAPT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Human: 100%; Mouse: 86%; Pig: 79%; Rat: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MAPT
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.

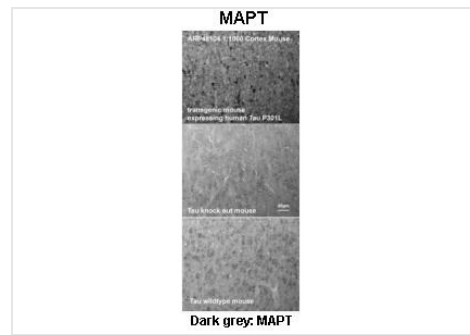
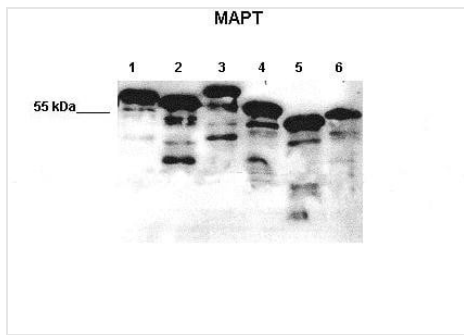
IMAGES


WB (Western Blot)

WB Suggested Anti-MAPT Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate


WB (Western Blot)

WB Suggested Anti-MAPT Antibody Positive Control: Lane 1: 10ug N2A expressed human Tau-C Lane 2: 10ug N2A expressed human Tau-E Lane 3: 10ug N2A expressed human Tau-F Lane 4: 10ug N2A expressed human Tau-B Lane 5: 10ug N2A expressed human Fetal-Tau Lane 6: 10ug N2A expressed human Tau-D Lane 7: 10ug N2A expressed human much Fetal-Tau Lane 8: 10ug N2A lysate Primary Antibody Dilution : 1:2000 Secondary Antibody : Donkey anti-rabbit-HRP Secondary Antibody Dilution : 1:10,000 Submitted by: Max Holzer, Paul Flechsig Institut of Brain Research, University of Leipzig



WB (Western Blot)

Researcher: Max Holzer, Paul Flechsig Institut of Brain Research, University of Leipzig
 Application: Western blotting
 Species + Tissue/Cell type: Lane 1: 10ug E.Coli: expressed human Tau-CLane 2: 10ug E.Coli: expressed human Tau-ELane 3: 10ug E.Coli: expressed human Tau-FLane 4: 10ug E.Coli: expressed human Tau-BLane 5: 10ug E.Coli: expressed human Fetal-TauLane 6: 10ug E.Coli: expressed human Tau-D
 Primary antibody dilution: 1:1000
 Secondary antibody: Donkey anti-rabbit-HRP
 Secondary antibody dilution: 1:10,000

IHC (Immunohistochemistry)

Sample Type :A: Transgenic hTau P301L mouse cortexB: Tau-Ko mouse cortexC: WT mouse cortex
 Primary Antibody Dilution :1:1000
 Secondary Antibody :Anti-rabbit-biotin / Avidin-HRP
 Secondary Antibody Dilution :1:1000 /1:2000
 Color/Signal Descriptions :Dark grey: MAPT
 Gene Name :MAPT
 Submitted by :Max Holzer,Paul Flechsig Institut of Brain Research,University of Leipzig

ADDITIONAL INFORMATION

Related Product Information for anti-MAPT antibody	This is a rabbit polyclonal antibody against MAPT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MAPT is differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. The mutations in the gene have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.
Product Categories/Family for anti-MAPT antibody	Cancer; Chromatin & Nuclear Signaling; Neuroscience; Disease Related; Autophagy

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754638
NCBI GeneID	4137
NCBI Accession #	NP_005901
NCBI GenBank Nucleotide #	NM_005910
UniProt Accession #	P10636
Molecular Weight	46kDa
NCBI Official Full Name	microtubule-associated protein tau isoform 2
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
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau

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/mapt-antibody-western-blot-immunohistochemistry-elisa/199859>