

Mouse Tau Monoclonal Antibody | anti-Tau antibody

Tau

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76633	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

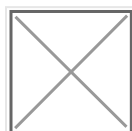
PRODUCT SYNONYMS

Tau; Monoclonal Antibody; anti-Tau antibody

PRODUCT SPECIFICATIONS

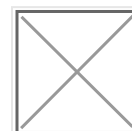
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG
Form/Format	Liquid Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Applicable Applications for anti-Tau antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Recombinant full length 441 amino acid human tau. Epitope located in the peptide HVPGGGNKKIETHKLTREN, amino acids 362-381
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2-8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of tissue lysates using mouse mAb to MAP-tau, MO22191, dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord. Tau protein is expressed as up to 9 different isoforms of different molecular weight, and so appears as multiple closely spaced bands in the region of the blot from 48kDa to 67kDa with some higher molecular weight "big tau" Isoforms.



IF (Immunofluorescence)

Immunofluorescent analysis of cortical neuron-glia culture from E20 rat stained with mouse mAb to MAP-tau, MO22191, dilution 1:2,000 in green, and costained with chicken pAb to GFAP dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. MO22191 stains perikarya, dendrites and axons of neurons, while the GFAP antibody labels astrocytes.

ADDITIONAL INFORMATION

Related Product Information for anti-Tau antibody	Tau is a low molecular weight member of the microtubule associated protein or MAP family. Several serious human diseases are associated with accumulations of tau protein, most notably the neurofibrillary tangles of Alzheimer's disease. Accumulations of tau in neurons are also characteristic of chronic traumatic encephalopathy, Pick's disease and several other neurodegenerative diseases. Together these disorders are known as "tauopathies".
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NCBI AND UNIPROT INFORMATION

NCBI GI #	294862258
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NCBI GeneID	4137
NCBI Accession #	NP_001116538.2
NCBI GenBank Nucleotide #	NM_001123066.3
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	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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/tau-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76633>