

Mouse MAPT/Tau Monoclonal Antibody | anti-MAPT/Tau antibody

Anti-MAPT/Tau Antibody (clone MCA-2E9)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162349	Mouse	Human Predicted: Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

MAPT/Tau; Monoclonal Antibody; Anti-MAPT/Tau Antibody (clone MCA-2E9); Rabbit Polyclonal to Human MAPT/Tau; MAPT; FTDP-17; MSTD; Neurofibrillary tangle protein; PHF-tau; MTBT2; PPND; DDPAC; MAPTL; MTBT1; Paired helical filament-tau; TAU; anti-MAPT/Tau antibody

PRODUCT SPECIFICATIONS

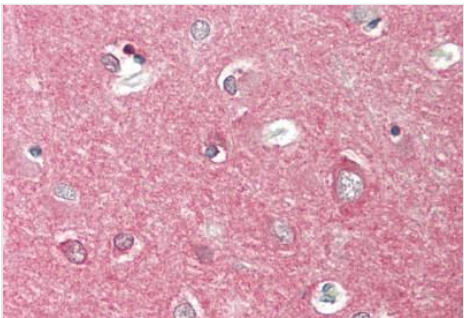
Host	Mouse
Reactivity	Human Predicted: Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MCA-2E9
Specificity	Clone 2E9 is known to react with tau from human, mouse and rat. Since tau is highly conserved, it is likely that the antibody is effective on other species also.
Purity/Purification	Affinity Purified
Form/Format	PBS, 10 mM sodium azide.
Applicable Applications for anti-MAPT/Tau antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Immunogen	Our antibody was made against a recombinant construct expressed in and purified from E. coli and which corresponded to the shortest version of the various tau proteins, so the antibody is expected to bind to all tau isoforms.
Conjugation	Unconjugated
Preparation and Storage	Store at 4 degree C or -20 degree C. Avoid repeated freezing and thawing.

IMAGES



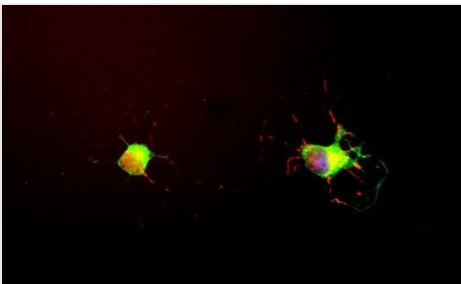
WB (Western Blot)

Blots of crude rat brain extract stained with MAPT/TAU antibody, revealing, as expected, multiple bands in the range 48-67 kDa.



IHC (Immunohistochemistry)

Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



ICC (Immunocytochemistry)

Standard immunostaining protocol (green), chicken antibody to alpha-interneixin (red) and for DNA (blue). MAPT/TAU antibody stains the neuronal perikarya and process strongly, and does not stain non-neuronal cells in these cultures. The alpha-interneixin antibody stains intermediate or 10nm filament bundles in the cytoplasm of these cells.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPT/Tau antibody

Tau promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. the C-terminus binds axonal microtubules while the N-terminus binds neuralplasma membrane components, suggesting that tau functions as a linkerprotein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome.

NCBI AND UNIPROT INFORMATION

NCBI GeneID

4137

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/monoclonal/mapt-tau-antibody-clone-mca-2e9-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/162349>