
Tau Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 251800

Unit: 0.1 mg

Description:

Microtubule-associated protein tau (tau) promotes microtubule assembly and stability, and is involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms play a role in its stabilization. In Alzheimer 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 (PHF-tau or AD P-tau).

Isotype: Mouse IgG1

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG1 in 0.1 ml (1 mg/ml) of PBS pH7.4, 2%BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Tau; Microtubule-associated protein tau; Neurofibrillary tangle protein; Paired helical filament-tau; MAPT; MAPTL; MTBT1

Accession No.: P10636

Antigen: Bovine microtubule-associated proteins (MAPs).

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.