
Tau Protein Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250874

Unit: 0.1 mg

Description:

Tau (microtubule-associated protein tau, neurofibrillary tangle protein, paired helical filament-tau, PHF-tau, MAPT) proteins promote microtubule assembly and stability, and are thought to be 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 preferentially play a role in its stabilization. Tau protein subcellular location is in the axons of neurons, in the cytosol, and in association with plasma membrane components.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, Ch, Mk, Gt, B, Ck, P, Rb, D

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

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

Accession No.: P10636

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Tau protein.

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.