Purified anti-Tau Dimethyl (Lys311)

Catalog # / Size: 819601 / 100 µl

Previously: Covance Catalog# MMS-5102

Clone: 7G5.F4

Isotype: Mouse IgG1

Immunogen: This monoclonal antibody was raised against a peptide sequence, conjugated to KLH corresponding to amino acids 309-320 (di-methylated at Lysine 311) of human tau protein.

Reactivity: Human, Mouse, Rat

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution.

Concentration: 1 mg/ml

Storage: Store at -20°C.

Applications:

Applications: WB, IHC

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. The optimal working dilution should be determined for each specific assay condition.

- WB: 1:100 - 1:200
- IHC: 1:100 - 1:200

Tissue: Formalin-fixed Paraffin-embedded
Pre-treatment: Citrate
Primary incubation: 24 hours at 4°C

Application Notes: This antibody is effective in immunoblotting (WB) and immunohistochemistry (IHC).

Expected MW: 35 kD - 60 kD (up to 6 bands possible since all 6 isoforms contain this epitope)

Positive Control: Human brain tissue

Description: Tau proteins are microtubule-associated proteins (MAPs) that are abundant in neurons of the central nervous system, and are expressed at low levels in CNS astrocytes, oligodendrocytes, and elsewhere. Tau's main function, microtubule assembly and stability, is regulated by phosphorylation. Abnormal hyperphosphorylation of Tau results in a loss of the protein’s function, impairs neuronal homeostasis, and ultimately results in the formation of aberrant aggregates, neurofibrillary tangles, that are a pathological hallmark of a group of neurodegenerative diseases, such as Alzheimer's disease, which are termed tauopathies. Tau methylation has been shown to inhibit aggregation of phosphorylated Tau.

Other Names: 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

Related Products:

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