

Code No. 18721

**Anti- Human
Tau Protein Rabbit IgG Affinity Purify**

Volume : 100 µg

Lot No : 0G-103

Introduction : Tau proteins are microtubule-associated proteins that are thought to regulate different properties of neuronal and possibly also glial microtubules, especially their stability and orientation. Because the spreading of intraneuronal deposits of an altered form of this protein correlates with the severity of Alzheimer symptoms, it is thought to be implicated in the pathogenesis of Alzheimer's disease. It is known that some domains can be found in only some isoforms of tau protein due to developmentally regulated alternative splicing. Tau proteins, especially in developing brain and in Alzheimer brains, can be found to be phosphorylated in vivo at many different sites.

Antigen : Synthetic peptide for N terminus portion (AEPRQEFVEMDHAG) of human Tau Protein

Purification : Affinity purified with antigen peptides

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1.0 ml distilled water will be added to the product, then its concentration comes to 100 µg/ml

Dilution : PBS (pH7.4) containing 1% BSA

Stability : Lyophilized product, 5 years at 2 – 8
: Solution, 2 years at –20

Application : This antibody can be stained in formalin fixed paraffin embedded tissues after formic acid treatment*¹ by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) Method. The optimal dilution is 5 µg/ml, however, the dilution rate should be optimized by each laboratories.

*1 Rinsing by running water after formic acid treatment for 5 minutes following de-paraffin.

: This antibody can be used for western blotting at about 5 µg/ml.

Specificity : Reacts with all of recombinant human Tau protein isoforms, Tau 352, 383, 381, 412, 410, and 441, which are confirmed by western blotting.

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