

Code No. 18721

**Anti-Human
Tau Rabbit IgG Affinity Purify**Volume : 100 µg

Introduction : Tau protein is a microtubule-associated protein expressed in neuroaxon and has molecular weight of 50-70 kDa. Some Alzheimer's patients have sites where tau protein is accumulated abnormally. It is known that six isoforms of tau protein formed by alternative splicing of tau gene located on chromosome 17. This monoclonal antibody can specifically recognize junction between exon 1 and 4 of both Tau 352 and Tau 383, and it is useful for the study of brain research.

Antigen : Synthetic peptide of the N-terminal part of Human Tau protein.
(AEPRQEFVEMDHAG)

Purification : Purified with antigen peptide

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

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

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

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues by several techniques. The optimal concentration is 5 µg/mL, however, the concentration should be optimized by each laboratory. Formic acid pretreatment^{*1} is recommended for brain tissue samples.
*1 Rinsing by running water after formic acid treatment for 5 minutes following de-paraffin.
: This antibody can be used for western blotting in concentration of 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.

Reference : 1. Delacourte A., Buee L. *et al.* Normal and pathological Tau proteins as factors for microtubule assembly. *Int Rev Cytol.* 1997;171:167-224. Review.
2. Goedert M, Spillantini mg, Hasegawa M, Jakes R, Crowther RA, Klug A. *et al.* Molecular dissection of the neurofibrillary lesions of Alzheimer's disease. *Cold Spring Harb Symp Quant Biol.* 1996; 61:565-73. Review.

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