

**FUJIFILM****Wako**Code No. 016-26961 (10  $\mu$ L)  
012-26963 (50  $\mu$ L)**Anti Mouse Tau, Rat Monoclonal Antibody  
(RTM47)**

抗マウスTau, ラットモノクローナル抗体(RTM47)

**Background**

Tau is a microtubule-associated protein, mainly expressed in neurons in the central nervous system, and regulates stabilization of microtubules<sup>1)</sup>. In the brain of Alzheimer's disease patients, neurofibrillary tangles are formed which are composed of accumulated phosphorylated forms of Tau<sup>1)</sup>. The degree of these tangles correlates to the severity of dementia<sup>1)</sup>. Based on this finding, Tau has been investigated to find out the etiology and to discover drugs for Alzheimer's disease. This product is a rat monoclonal antibody that specifically recognizes mouse Tau<sup>2)</sup>.

**Description**

**[Reactivity]** Reacts with mouse Tau  
**[Antigen]** Recombinant full length of mouse Tau 0N4R isoform  
**[Epitope]** Unknown  
**[Species cross reactivity]** Mouse (no-cross reactivity of human and rat Tau)  
**[Clone No.]** RTM47  
**[Host]** Rat  
**[Isotype]** IgG2b  $\cdot$   $\kappa$   
**[Purification]** Purified from hybridoma supernatant using proteinG agarose  
**[Concentration]** Indicated on the label  
**[Formulation]** PBS with 50% glycerol and 0.05% sodium azide

**Applications**

Western Blot 1 : 1,000-2,000  
 Immunohistochemistry\* 1 : 200  
 (freeze, paraffin, vibratome)  
 Immunocytochemistry 1 : 500  
 \* Antigen retrieval is not recommended. It may increase the background.  
 Optimal concentration should be determined by each laboratory for each application.

**Storage**

Store at  $-20^{\circ}\text{C}$ .  
 Avoid repeated freeze and thaw.

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**Package**

Code No.	Packaging
016-26961	10 $\mu$ L
012-26963	50 $\mu$ L

**Reference**

- 1) Liu, F., et al. : *Mol Neurodegener.* **3**, 8 (2008).
- 2) Kubo, A., et al. : *J. Comp. Neurol.*, **527**, 985 (2019).

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