

FUJIFILM**Wako**Code No. 011-26891 (10 μ L)
017-26893 (50 μ L)**Anti Human/Mouse/Rat Tau,
Rat Monoclonal Antibody (RTM38)****抗ヒト/マウス/ラット Tau,
ラットモノクローナル抗体 (RTM38)****Background**

Tau is a microtubule-associated protein, mainly expressed in neurons in the central nervous system, and regulates stabilization of microtubules¹⁾. In the brain of Alzheimer's disease patients, neurofibrillary tangles are formed which are composed of accumulated phosphorylated forms of Tau¹⁾. The degree of these tangles correlates to the severity of dementia¹⁾. 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 human, mouse and rat Tau²⁾.

Description

[Reactivity]	Reacts with human, mouse and rat Tau
[Antigen]	Recombinant full length of mouse Tau 0N4R isoform
[Species cross reactivity]	Human, Mouse, and Rat
[Epitope]	C-terminal region of Tau (417-441 a.a.)
[Clone No.]	RTM38
[Host]	Rat
[Isotype]	IgG2a \cdot κ
[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* (freeze, paraffin, vibratome)	1 : 200
Immunocytochemistry	1 : 500

* Antigen retrieval is not recommended. It may increase the background.

Optimal concentration should be determined by each laboratory for each application.

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Storage

Store at -20 °C.
Avoid repeated freeze and thaw.

Package

Code No.	Packaging
011-26891	10 μ L
017-26893	50 μ 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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