

FUJIFILM**Wako**Code No. 019-26951 (10 μ L)
015-26953 (50 μ L)**Anti Human Tau, Rat Monoclonal Antibody
(RTM49)**

抗ヒトTau, ラットモノクローナル抗体(RTM49)

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 Tau²⁾.

Description

[Reactivity]	Reacts with human Tau
[Antigen]	Recombinant full length of human Tau 0N4R isoform
[Species cross reactivity]	Human (no-cross reactivity of mouse and rat Tau)
[Epitope]	N-terminal region of Tau (2-44 a.a.)
[Clone No.]	RTM49
[Host]	Rat
[Isotype]	IgG1 \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.

Storage

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

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Package

Code No.	Packaging
019-26951	10 μ L
015-26953	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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