

**FUJIFILM****Wako**Code No. 016-26581 (50  $\mu$ L)  
012-26583 (10  $\mu$ L)**Anti 3R-Tau, Rat Monoclonal Antibody (2A1-1F4)**  
**抗 3R-Tau, ラットモノクローナル抗体(2A1-1F4)****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. Tau is classified into 3R-Tau and 4R-Tau which has 3 and 4 microtubules associated domains, respectively<sup>1)</sup>. This product is an antibody that specifically recognizes 3R-Tau.

**Description**

**[Reactivity]** Reacts with 3R-Tau  
**[Antigen]** 267-274, 306-313 a.a. of Human Tau.  
 CKHQPGGGKVQIVYKPV  
**[Species cross reactivity]** Human  
**[Clone No.]** 2A1-1F4  
**[Host]** Rat  
**[Isotype]** IgG2b  $\cdot$   $\lambda$   
**[Purification]** Protein A-affinity purified  
**[Concentration]** 1 mg/mL  
**[Formulation]** PBS with 50% Glycerol and 0.05% ProClin 300

**Applications**

Western Blot 1 : 1,000-2,000  
 Immunoprecipitation 1 : 100

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

**Storage**

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

**Package**

Code No.	Packaging
016-26581	50 $\mu$ L
012-26583	10 $\mu$ L

**Reference**

1) Liu, F., et al. : *Mol Neurodegener.* **3**, 8 (2008).

**FUJIFILM Wako Pure Chemical Corporation**

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan  
 Telephone : + 81-6-6203-3741  
 Facsimile : + 81-6-6201-5964  
<http://www.wako-chem.co.jp>

**FUJIFILM Wako Chemicals U.S.A. Corporation**

1600 Bellwood Road  
 Richmond, VA 23237  
 U.S.A.  
 Telephone : + 1-804-271-7677  
 Facsimile : + 1-804-271-7791  
<http://www.wakousa.com>

**FUJIFILM Wako Chemicals Europe GmbH**

Fuggerstrasse 12  
 D-41468 Neuss  
 Germany  
 Telephone : + 49-2131-311-0  
 Facsimile : + 49-2131-311100  
<http://www.wako-chemicals.de>