

FUJIFILM**Wako**Code No. 012-27683 (50 μ L)

Anti Phosphorylated Tau S422, Monoclonal Antibody (AP422) 抗りん酸化 Tau S422, モノクローナル抗体 (AP422)

Background

Tau is a microtubule-associated protein, mainly expressed in neurons in the central nervous system, which 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 mouse monoclonal antibody which specifically recognizes Tau with phosphorylated serine at position 422 (pS422)²⁾⁻⁹⁾.

Description

[Reactivity]	Reacts with Tau pS422
[Antigen]	CGG+417-427 a.a of human Tau with pS422. (CGGIDMVDpSPQLAT)
[Species cross reactivity]	Human and mouse
[Clone No.]	AP422
[Host]	Mouse
[Isotype]	IgG1 $\cdot$ κ
[Concentration]	Indicated on the label
[Formulation]	50% glycerol in PBS and 0.02% sodium azide

Applications

Western blotting	1:250-1,000
Immunohistochemistry	1:250-1,000

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
012-27683	50 μ L

References

- 1) Liu, F., *et al.* : *Mol Neurodegener.*, 3, 8 (2008).
- 2) Hasegawa, M., *et al.* : *FEBS Lett.*, 384, 1, 25 (1996).
- 3) Goedert, M., *et al.* : *FEBS Lett.*, 409, 1, 57 (1997).
- 4) Bueë-Scherrer, V., *et al.* : *FEBS Lett.*, 515, 1, 151 (2002).
- 5) Delobel, P., *et al.*, *J. Neurochem.*, 83, 2, 412 (2002).
- 6) Bellucci, A., *et al.* : *Am. J. Pathol.*, 165, 5, 1643 (2004).
- 7) Sylvie, L. C., *et al.* : *PNAS*, 103, 25, 9673 (2006).
- 8) Schindowski, K., *et al.* : *Am. J. Pathol.*, 169, 2, 599 (2006).
- 9) Audouard, E., *et al.* : *Am. J. Pathol.*, 186, 10, 2709 (2016).

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