

FUJIFILM**Wako**Code No. 014-24821 (100 μ L)**Anti CRMP2, Monoclonal Antibody (9F)**
抗CRMP2, モノクローナル抗体(9F)**Background**

Collapsin response mediator proteins (CRMP1-5) are phosphorylated and highly expressed in the developing and adult nervous system. Ser522 of CRMP2 is phosphorylated by Cdk5, the phosphorylation is required for the proper dendritic field organization¹⁾. The hyper phosphorylated CRMP2 is accumulated at NFT in Alzheimer's disease (AD) brain as well as Tau²⁾. However, unlike Tau, the hyper phosphorylation of CRMP2 is a specific event in AD²⁾. On the other hand, CRMP2 expression is decreased significantly in breast cancer tissue³⁾.

Anti CRMP2, Monoclonal Antibody (9F) is available to detect CRMP2⁴⁾.

Description

[Formulation]	PBS (pH 7.4) containing 0.05% sodium azide
[Antigen]	C-terminal region of recombinant human CRMP2 (amino acid 486-528)
[Host]	Mouse
[Reactivity]	Reacts with CRMP2
[Species cross reactivity]	Human, Rat, Mouse, and Chicken (other species are not analyzed)
[Clone No.]	9F
[Isotype]	IgG
[Purification]	Purified from hybridoma supernatant using protein A agarose
[Concentration]	Indicated on the label.

Applications

Western blot	1 : 5000
Immunohistochemistry	1 : 200
Immunocytochemistry	1 : 1000
ELISA	1 : 2500

Storage

Store at 2-10 °C.

Package100 μ L**References**

- 1) Yamashita, N. *et al.* : *J. Neurosci.*, **32** (4), 1360 (2012)
- 2) Williamson, R. *et al.* : *J. Alzheimer's Dis.*, **27** (3), 615 (2011)
- 3) Shimada, K. *et al.* : *Breast Cancer*, **Feb 5** (2013)
- 4) Higurashi M. *et al.* : *Dev. Neurobiol.*, **72** (12), 1528 (2012)

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