

90×210mmサイズ

FUJIFILM

Wako

Code No. 014-24821 (100  $\mu$ 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 organization<sup>1)</sup>. The hyper phosphorylated CRMP2 is accumulated at NFT in Alzheimer's disease (AD) brain as well as Tau<sup>2)</sup>. However, unlike Tau, the hyper phosphorylation of CRMP2 is a specific event in AD<sup>2)</sup>. On the other hand, CRMP2 expression is decreased significantly in breast cancer tissue<sup>3)</sup>.

Anti CRMP2, Monoclonal Antibody (9F) is available to detect CRMP2<sup>4)</sup>.

**Description**

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

**Applications**

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

**Storage**

Store at 2-10 °C.

**Package**

100  $\mu$ 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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