

Code No. 29060

**Anti-Human
CRMP-2 (Phosphorylated) (3F4) Mouse IgG MoAb**Volume : 100 µg

Introduction : CRMP-2 (Collapsin response mediator protein-2) is highly expressed in the developing nervous system and identified as protein involved in Semaphorin 3A (Collapsin-1) intracellular signaling. It is reported that the mutation of unc-33, a *Caenorhabditis elegans* homolog of CRMP-2, results in abnormal axon termination. CRMP-2 is most ubiquitously expressed in the nervous system of CRMP-2 family, and expressed in most nerve cell at the early stage of differentiation, and further, in cone cell of hippocampus, in Purkinje cell of cerebellum and sensory neuron of dorsal root ganglion (DRG) at maturation stage. This protein is localized in axon, growth cone and cell body.

Antigen : Brain homogenate (ref. 1)

Source : Mouse-Mouse hybridoma

Clone : 3F4

Subclass : IgG₃

Purification : Affinity purified with Protein A

Form : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN₃

How to use : 1.0 mL deionized water will be added to the product, then its concentration comes to 100 µg/mL

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for IHC. (ref. 1)
: This antibody can be used for western blotting. (ref. 1)

Specificity : Cross-reacts with mouse and rat

Reference : 1. Yoshida H, Watanabe A, Ihara Y. Collapsin response mediator protein-2 is associated with neurofibrillary tangles in Alzheimer's disease. *J Biol Chem.* 1998 Apr 17;273(16):9761-8.
2. Gu Y, Hamajima N, Ihara Y. Neurofibrillary tangle-associated collapsin response mediator protein-2 (CRMP-2) is highly phosphorylated on Thr-509, Ser-518, and Ser-522. *Biochemistry.* 2000 Apr 18;39(15):4267-75.

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