

Mouse Anti-Canine Microtubule-Associated Protein 2 (MAP2) Monoclonal Antibody

Cat. No.: VD8N102

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine microtubule-associated protein 2. It can be applied to WB assay of canine microtubule-associated protein 2.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G3N66
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine Microtubule-Associated Protein 2
Isotype	IgG
Immunogen	Purified recombinant canine microtubule-associated protein 2 (C-terminus) protein fragments
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

Microtubule-associated protein 2 (MAP-2) is a high molecular weight protein that is predominantly expressed in the neurons of the central nervous system. It plays a crucial role in the structural integrity and function of dendrites by binding to microtubules and promoting their stability. MAP-2 is involved in the regulation of neuronal development, including the growth and branching of dendrites, as well as the formation and maintenance of synapses. Its expression is developmentally regulated, with high levels found during the period of active synaptogenesis.

Target	Canine Microtubule-Associated Protein 2
Target Synonym	MAP2; Microtubule-associated protein 2
Gene ID	488504
UniProt ID	A0A8C0N5E9

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt. Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Nemenoff, R. A., *et al.* "Phosphorylation and activation of a high molecular weight form of phospholipase A2 by p42 microtubule-associated protein 2 kinase and protein kinase C." *Journal of Biological Chemistry* 268.3 (1993): 1960-1964.

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