

Monoclonal Antibody to CNPase

Alternate names:	Oligodendrocyte Marker
Catalog No.:	DM263P
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	11-5B
Immunogen:	Purified human 2-3-cyclic nucleotide 3-phosphodiesterase (CNPase)
Applications:	Immunofluorescence. Western Blotting. Immunohistochemistry on frozen and paraffin embedded sections: Ab 2-4µg/ml for 30 min at RT. Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0. Recommended positive control: brain. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	CNPase (2,3-Cyclic Nucleotide 3-Phosphodiesterase) exists in two forms: 46 kD (CNP1) and 48 kD (CNP2). It is expressed at high levels by oligodendrocytes in the central nervous system and by Schwann cells in the peripheral nervous system. Reacts with Human, Monkey, Cow, Sheep, Goat, Pig, Cat, Dog, Rabbit, Rat, and Mouse. Does not react with Guinea Pig and Chicken. Others not tested. Cellular Localization: Cell Membrane. Mol. Wt. of Antigen: 46kD (CNP1) and 48kD (CNP2)
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	1. Sprinkle TJ, et. al. Brain Research, 426:349-357, 2. 2. Sprinkle TJ, et. al. CRC Critical Reviews in