

MPZ

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW: 28kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human MPZ

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CHM; CMT1; CMT1B; CMT2; CMT2J; CMT4E; CMTDI3; DSS; HMSNIB; MPP; P0;

Catalog #: A1687

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4359

Isotype: IgG

Swiss Prot: P25189

Purity: Affinity purification

For research use only.

Background:

MPZ (myelin protein zero), also known as P0, a transmembrane glycoprotein (~30 kDa), is a member of the immunoglobulin supergene family. Synthesized by myelin-forming Schwann cells, MPZ is the major structural protein component of myelin in the peripheral nervous system. It is involved in formation and maintenance of compact myelin, and plays a role in the creation of an extracellular membrane face which guides the wrapping process and ultimately compacts adjacent lamellae. More than 120 mutations detected in the gene of MPZ cause various forms of hereditary neuropathy, which include Charcot-Marie-Tooth disease type 1B (CMT1B), CMT2, Dejerine-Sottas syndrome (DSS), and congenital hypomyelination neuropathy (CHN). This antibody can recognize endogenous MPZ, and can be used as a marker of myelinating Schwann cells.

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