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MPZ Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a full length recombinant MPZ.
Catalog # AT2897a

Product Information

Application	E
Primary Accession	P25189
Other Accession	BC006491
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3B12
Calculated MW	27555

Additional Information

Gene ID	4359
Other Names	Myelin protein P0, Myelin peripheral protein, MPP, Myelin protein zero, MPZ
Target/Specificity	MPZ (AAH06491.1, 1 a.a. ~ 258 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MPZ Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

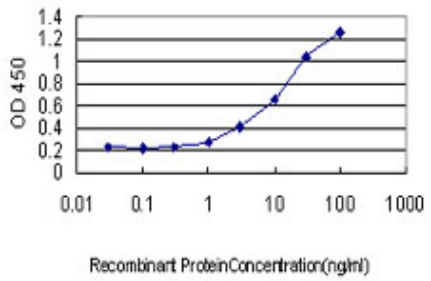
This gene encodes a major structural protein of peripheral myelin. Mutations in this gene result in the autosomal dominant form of Charcot-Marie-Tooth disease type 1 and other polyneuropathies.

References

Charcot-Marie-Tooth disease with intermediate conduction velocities caused by a novel mutation in the MPZ gene. Banchs I, et al. Muscle Nerve, 2010 Aug. PMID 20544920.Charcot-Marie-Tooth disease due to novel myelin protein zero mutation presenting as late-onset remitting sensory neuropathy. Simpson BS, et al. J Clin Neuromuscul Dis, 2010 Jun. PMID 20516806.Asymmetric phenotype associated with rare myelin protein zero mutation. Souayah N, et al. J Clin Neuromuscul Dis, 2010 Mar. PMID 20215982.Laryngeal neuropathy of

Charcot-Marie-Tooth disease: further observations and novel mutations associated with vocal fold paresis. Benson B, et al. Laryngoscope, 2010 Feb. PMID 19950375.[Predominant parasympathetic involvement in a patient with Charcot-Marie-Tooth disease caused by the MPZ Thr124Met mutation] Nakamura N, et al. Rinsho Shinkeigaku, 2009 Sep. PMID 19928689.

Images



Detection limit for recombinant GST tagged MPZ is approximately 1ng/ml as a capture antibody.