

Goat Anti-Myelin Protein zero Antibody
Peptide-affinity purified goat antibody
Catalog # AF1702a**Specification**

Goat Anti-Myelin Protein zero Antibody - Product Information

Application	WB, E
Primary Accession	P25189
Other Accession	NP_000521 , 4359
Reactivity	Rat
Predicted	Human, Mouse, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	27555

Goat Anti-Myelin Protein zero Antibody - Additional Information**Gene ID** 4359**Other Names**

Myelin protein P0, Myelin peripheral protein, MPP, Myelin protein zero, MPZ

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Myelin Protein zero Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Myelin Protein zero Antibody - Protein Information**Name** MPZ**Function**

Is an adhesion molecule necessary for normal myelination in the peripheral nervous system. It mediates adhesion between adjacent myelin wraps and ultimately drives myelin compaction.

Cellular Location

Cell membrane; Single-pass type I membrane protein

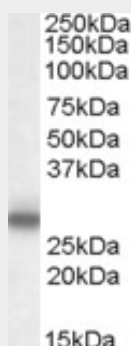
Tissue Location

Found only in peripheral nervous system Schwann cells

Goat Anti-Myelin Protein zero Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Myelin Protein zero Antibody - Images

AF1702a (0.1 µg/ml) staining of Rat Spinal Cord lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Myelin Protein zero Antibody - 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.

Goat Anti-Myelin Protein zero Antibody - 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.