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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 Cytomety
- 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.