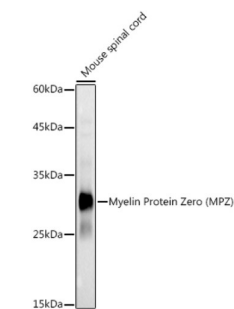
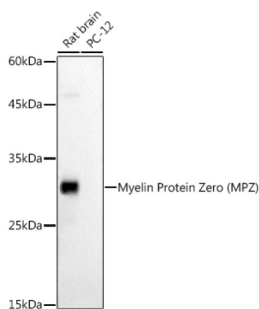


Protein Zero, Myelin (MPZ) Antibody

Catalogue No.: abx001415



Western blot analysis of lysates from Mouse spinal cord, using Myelin Protein Zero (MPZ) Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Western blot analysis of various lysates using Myelin Protein Zero (MPZ) Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.

MPZ Antibody is a Rabbit Polyclonal antibody against MPZ. 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.

Target: Protein Zero, Myelin (MPZ)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant protein corresponding to MPZ. The exact sequence is proprietary.

Datasheet

Version: 6.0.0
Revision date: 24 Jul 2025



Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P25189 (UniProt , ExPASy)
Gene Symbol:	MPZ
GeneID:	4359
OMIM:	103100
NCBI Accession:	NP_000521.2
HGNC:	7225
KEGG:	hsa:4359
Ensembl:	ENSG00000158887
String:	9606.ENSP00000432943
Molecular Weight:	Calculated MW: 28 kDa Observed MW: 28 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	2.75 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.