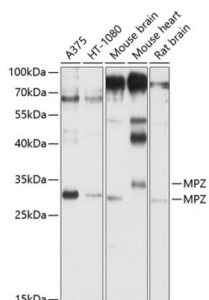


## Protein Zero, Myelin (MPZ) Antibody

Catalogue No.: abx001415



Western blot analysis of extracts of various cell lines, using MPZ antibody (abx001415) at 1/1000 dilution.

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.

<b>Target:</b>	Protein Zero, Myelin (MPZ)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 30-153 of human Myelin Protein Zero (MPZ).
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 3.0.0  
Revision date: 16 Nov 2024



**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.

For Reference Only