

# **Product datasheet for TA360535**

### OriGene Technologies, Inc.

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## Myelin Protein Zero (MPZ) Rabbit Polyclonal Antibody

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

**Immunogen:** The immunogen is a synthetic peptide directed towards the middle region of human MPZ

**Specificity: Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 28 kDa

**Gene Name:** myelin protein zero

Database Link: NP 000521.2

Entrez Gene 4359 Human

P25189





#### Background:

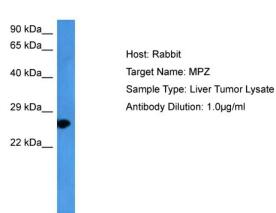
This gene is specifically expressed in Schwann cells of the peripheral nervous system and encodes a type I transmembrane glycoprotein that is a major structural protein of the peripheral myelin sheath. The encoded protein contains a large hydrophobic extracellular domain and a smaller basic intracellular domain, which are essential for the formation and stabilization of the multilamellar structure of the compact myelin. Mutations in this gene are associated with autosomal dominant form of Charcot-Marie-Tooth disease type 1 (CMT1B) and other polyneuropathies, such as Dejerine-Sottas syndrome (DSS) and congenital hypomyelinating neuropathy (CHN). A recent study showed that two isoforms are produced from the same mRNA by use of alternative in-frame translation termination codons via a stop codon readthrough mechanism.

Synonyms: CHM; CMT1; CMT1B; CMT2J; CMT2J; CMT4E; CMTDI3; DSS; HMSNIB; MPP; P0

**Protein Families:** Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

## **Product images:**



Host: Rabbit Target Name: MPZ

Sample Tissue: Human Liver Tumor Antibody Dilution: 1.0ug/ml