

## Product datasheet for **TA321149S**

### Myelin Protein Zero (MPZ) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human thyroid cancer Predicted cell location: Cell membrane, Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	myelin protein zero
Database Link:	<a href="#">NP_000521</a> <a href="#">Entrez Gene 17528 Mouse</a> <a href="#">Entrez Gene 24564 Rat</a> <a href="#">Entrez Gene 4359 Human</a> <a href="#">P25189</a>

**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. The myelin sheath is a multi-layered membrane; unique to the nervous system; that functions as an insulator to greatly increase the velocity of axonal impulse conduction. The P0 glycoprotein; absent in the central nervous system; [1] is a major component of the myelin sheath in peripheral nerves. It comprises a large extracellular N-terminal domain; a single transmembrane (TM) region; and a smaller positively charged intracellular domain.

**Synonyms:** CHM; CMT1; CMT1B; CMT2I; CMT2J; CMT4E; CMTDI3; CMTDID; DSS; HMSNIB; MPP; P0

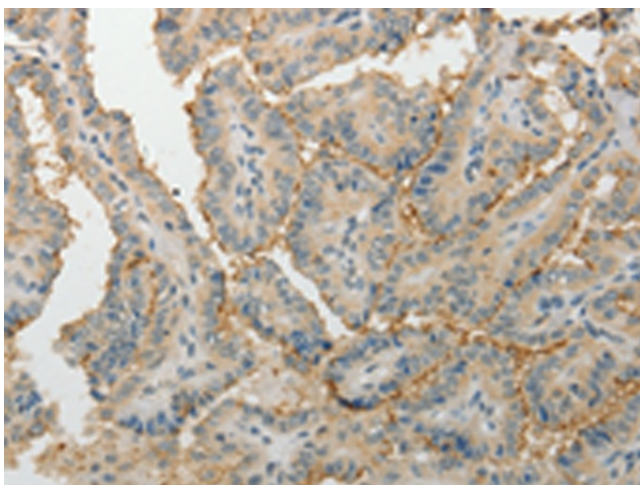


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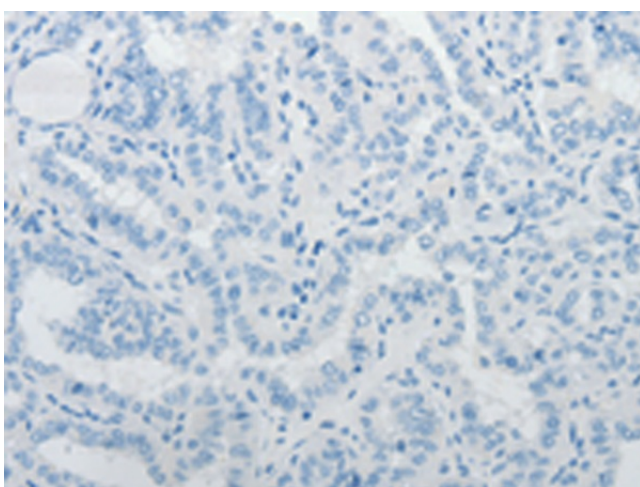
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

**Product images:**



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA321149] (MPZ Antibody) at dilution 1/5 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA321149] (MPZ Antibody) at dilution 1/5, treated with fusion protein. (Original magnification:  $\times 200$ )