

## Rabbit Anti-Myelin Protein Zero antibody

SL0337R

<b>Product Name</b>	Myelin Protein Zero
<b>Chinese Name</b>	外周髓磷脂 P0 蛋白/P0 蛋白抗体
<b>Alias</b>	peripheral myelin prothein Zero; MPZ; MPP; Myelin P0 protein; CHM; CMT1; CMT1B; DSS; MYELIN GLYCOPROTEIN P-ZERO; MYELIN PROTEIN PERIPHERAL; Myelin protein zero; P0; MYPO_HUMAN.
<b>Research Area</b>	Neurobiology Signal transduction
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Mouse,Rat(predicted:Human)
<b>Applications</b>	WB=1:500-2000 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	24kDa
<b>Cellular localization</b>	The cell membrane
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human P0 protein: 175-248/248 <Cytoplasmic>
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	Mouse,Rat(predicted:Human)1M TBS(pH7.4) with 1% BSA, Mouse,Rat(predicted:Human)3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	Myelin protein-zero is the major structural protein of peripheral myelin,

accounting for more than 50% of the protein present in the sheath of peripheral nerves. Expression of the gene encoding Myelin protein-zero (MPZ) is restricted to Schwann cells; MPZ is not found in the CNS. An integral membrane glycoprotein of ~28kDa, Myelin protein-zero is thought to link adjacent lamellae and thereby stabilize the myelin assembly. The other 3 major components of myelin are myelin basic protein, myelin proteolipid protein and myelin-associated glycoprotein.

**Subunit:**

Homodimer and homotetramer.

**Subcellular Location:**

Cell membrane; Single-pass type I membrane protein.

**Tissue Specificity:**

Found only in peripheral nervous system Schwann cells.

**Similarity:**

Belongs to the myelin P0 protein family.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**SWISS:**

P25189

**Gene ID:**

4359

**Database links:**

[Entrez Gene: 4359](#) Human

[Entrez Gene: 17528](#) Mouse

[Omim: 159440](#) Human

[SwissProt: P25189](#) Human

[SwissProt: P27573](#) Mouse

[Unigene: 591486](#) Human

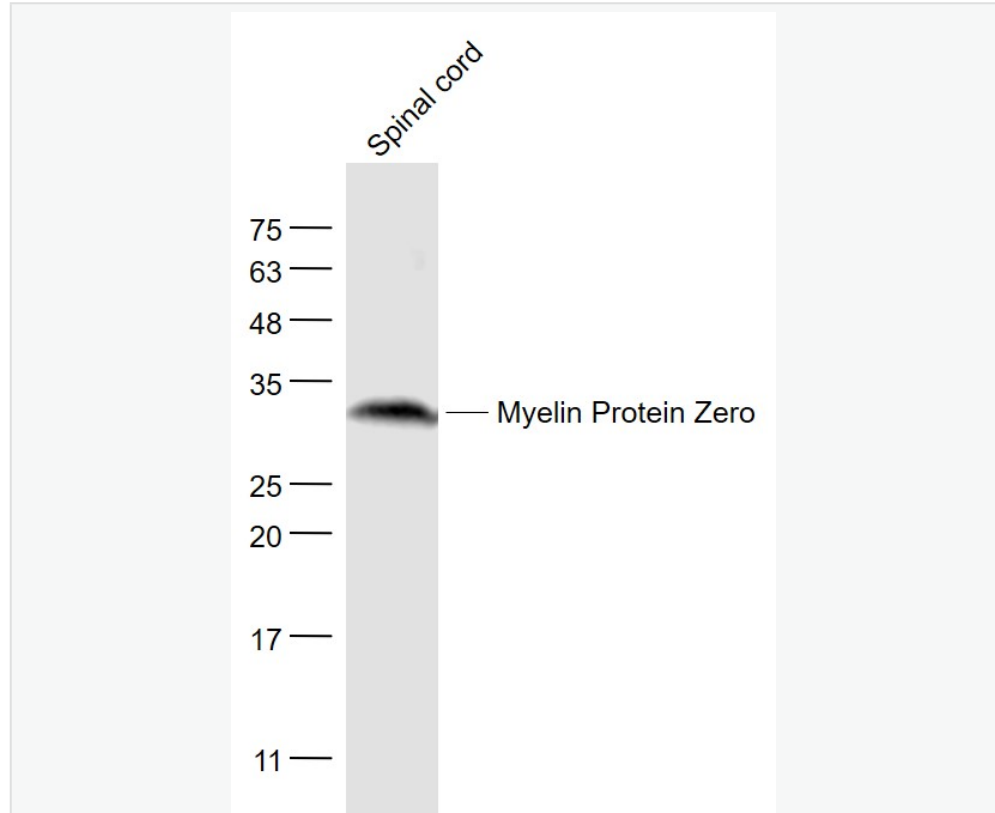
[Unigene: 93883](#) Human

[Unigene: 9986](#) Mouse

UniProtKB/Swiss-Prot: P25189.1

成熟的周围神经系统髓鞘主要的蛋白为 P0 蛋白，分子量 28KDa，它具有单个跨膜区，是 IgG 超家族的成员之一。

**Product Picture**



Sample:

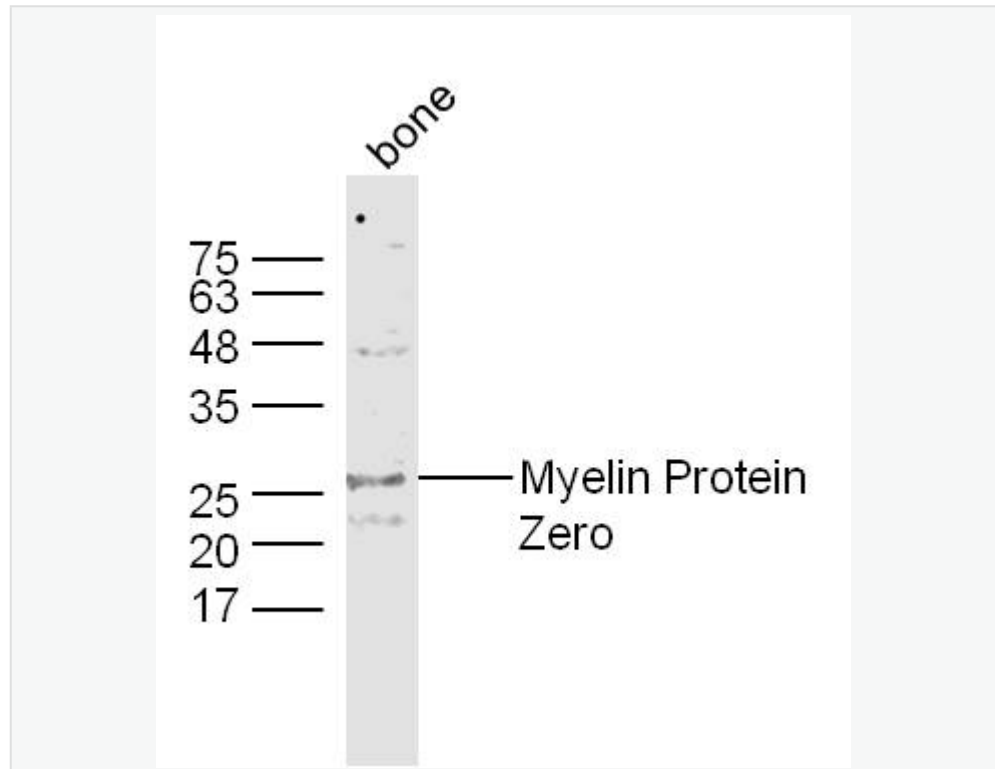
Spinal cord (Rat) Lysate at 40 ug

Primary: Anti- Myelin Protein Zero (SL0337R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 24 kD

Observed band size: 29 kD



Sample:

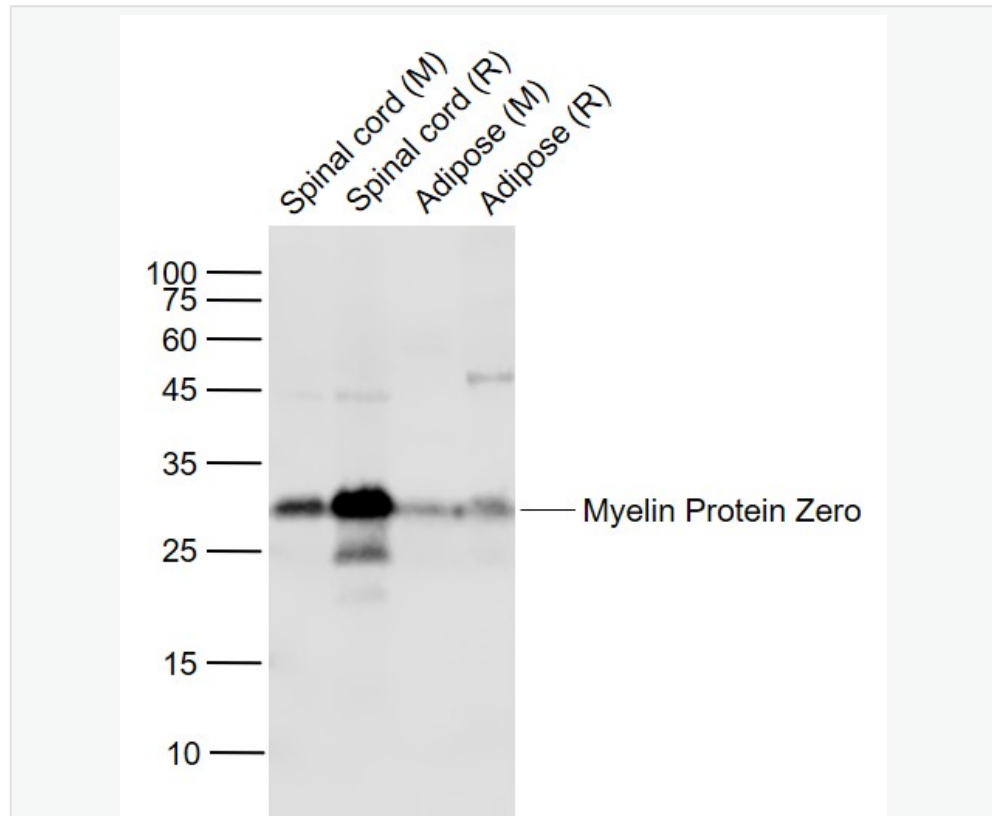
Bone (Mouse) Lysate at 40 ug

Primary: Anti-Myelin Protein Zero (Bs- 0337R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 24 kD

Observed band size: 26 kD



Sample:

Lane 1: Spinal cord (Mouse) Lysate at 40 ug

Lane 2: Spinal cord (Rat) Lysate at 40 ug

Lane 3: Adipose (Mouse) Lysate at 40 ug

Lane 4: Adipose (Rat) Lysate at 40 ug

Primary: Anti-Myelin Protein Zero (SL0337R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28 kD

Observed band size: 28 kD