

Goat anti-Myelin Protein zero Antibody

Item Number dAP-1405

Target Molecule Principle Name: Myelin Protein zero; Official Symbol: MPZ; All Names and Symbols: myelin protein zero; myelin protein zero (Charcot-Marie-Tooth neuropathy 1B) ; MPZ; CHM; CMT1; CMT1B; CMT2I; CMT2J; CMT4E; CMTD13; DSS; HMSNIB; MPP; P0; Accession Number (s): NP_000521.1; Human Gene ID(s): 4359; Non-Human GenID(s):

Immunogen DHSRSTKAVSEK, is from internal region (near the C Terminus)
The presence of this PNS protein in Rat Spinal Cord is likely due to contamination with spinal roots during extraction from the animal.

Applications Pep ELISA, WB

Species Tested: Rat

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA Peptide ELISA: antibody detection limit dilution 1 to 32000.

Western Blot Western Blot: Approx 28kDa band observed in Rat Spinal Cord lysates (calculated MW of 28.5kDa according to Human NP_000521.1 and of 27.7kDa according to Rat NP_058723.1). Recommended concentration: 0.1-0.3µg/ml.

IHC

Reference Reference(s): LeBlanc SE, Ward RM, Svaren J. Neuropathy-associated Egr2 mutants disrupt cooperative activation of myelin protein zero by Egr2 and Sox10. Mol Cell Biol. 2007 May;27(9):3521-9. Epub 2007 Feb 26..PMID: 17325040 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**