

Nur für Forschungszwecke

MPZ / PO Polyklonaler Antikörper

Katalog-Nr.:10572-1-AP

12 Publikationen



Allgemeine Informationen

Katalog-Nr.: 10572-1-AP	GenBank-Zugangsnummer: BC006491	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 1000 µg/ml von4359 Nanodrop und 187 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): myelin protein zero	Empfohlene Verdünnungen: WB 1:500-1:1000 IF 1:20-1:200
Wirt: Kaninchen	Vollständiger Name: myelin protein zero	
Isotyp: IgG	Berechnete Masse: 28 kDa	
Immunogen Katalognummer: AG0848	Beobachtete Masse: 30 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen: WB : Schwannzellen, IF : Myelinisierende SCs-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte, Frosch	

Hintergrundinformationen

MPZ (myelin protein zero), also known as PO, 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yoshihide Yamaguchi	29081003	Neurochem Res	WB
Xiaobao Gong	36218239	Phytother Res	WB,IF
Christoph Eckharter	26635533	Front Cell Neurosci	WB

Lagerung

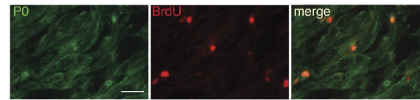
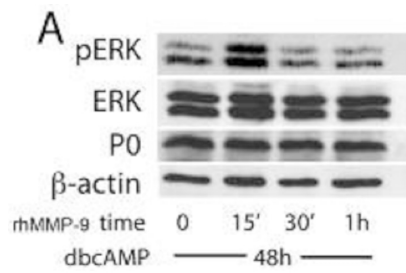
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



IF result from Huaqing Liu (PMID:20448483); Dual immunofluorescence for BrdU (red) with myelinating Schwann cell markers PO (10572-1-AP, green, 1:150) in distal segments of MMPI-treated nerves..

WB result from Chattopadhyay S (PMID:19229995); Schwann cell differentiation was induced with dbcAMP (500 μ M) for 48 h, followed by treatment with rhMMP-9 (100 nM) for 15 min. A, rhMMP-9 stimulates transient ERK1/2 activation over a 1 h period. Successful Schwann cell differentiation was confirmed by myelin protein zero (PO) expression, β -actin was used as loading control.