

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MPZ / PO



Numéro de catalogue: 10572-1-AP

13 Publications

Informations de base

Numéro de catalogue: 10572-1-AP	Numéro d'acquisition GenBank: BC006491	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 4359	Dilutions recommandées: WB 1:500-1:1000 IF 1:20-1:200
Hôte: Lapin	Nom complet: myelin protein zero	
Isotype: IgG	MW calculé: 28 kDa	
Immunogen Catalog Number: AG0848	MW observés: 30 kDa	

Applications

Applications testées: IF, WB, ELISA	Contrôles positifs: WB : cellules de Schwann, IF : cellules CS myélinisantes,
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: Humain, rat, souris, Grenouille	

Informations générales

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.

Publications notables

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

Stockage

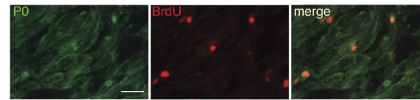
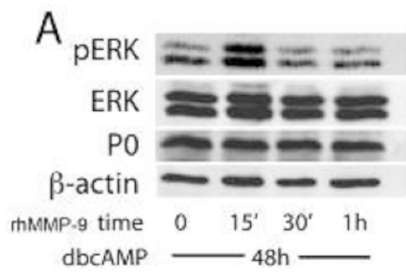
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
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Données de validation sélectionnées



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.