


Anti-Myelin Basic Protein antibody ab28541

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製品の概要

製品名	Anti-Myelin Basic Protein antibody
製品の詳細	Rabbit polyclonal to Myelin Basic Protein
由来種	Rabbit
特異性	This antibody is specific to myelin basic proteins. It may cross react with other isoforms of myelin basic proteins.
アプリケーション	適用あり: Sandwich ELISA
種交差性	交差種: Pig 交差が予測される動物種: Mammals 
免疫原	Full length native protein (purified) corresponding to Cow Myelin Basic Protein.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.00 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.01% Ammonium Acetate
特記事項(精製)	The antibody was affinity purified on agarose with an immuno dominant peptide (PRTPPPSQGKGRGL), which is a universal peptide sequence for all isoforms of mammalian myelin basic proteins.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

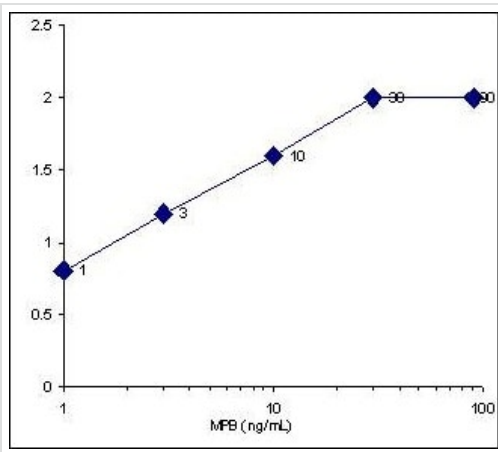
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Sandwich ELISA		Use at an assay dependent concentration. To be used as capture antibody. Pair with ab77895 - Rabbit polyclonal to Myelin Basic Protein (HRP)

ターゲット情報

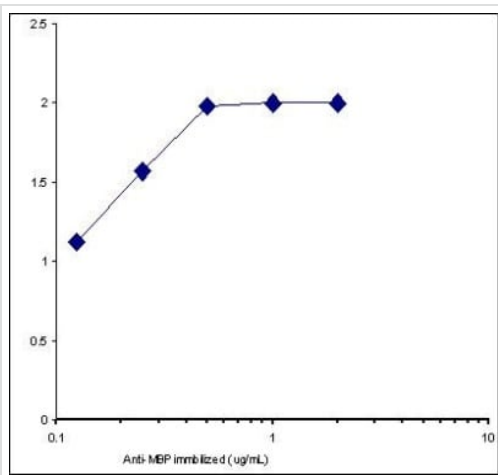
機能	The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation.
組織特異性	MBP isoforms are found in both the central and the peripheral nervous system, whereas Golli-MBP isoforms are expressed in fetal thymus, spleen and spinal cord, as well as in cell lines derived from the immune system.
関連疾患	Note=The reduction in the surface charge of citrullinated and/or methylated MBP could result in a weakened attachment to the myelin membrane. This mechanism could be operative in demyelinating diseases such as chronic multiple sclerosis (MS), and fulminating MS (Marburg disease).
配列類似性	Belongs to the myelin basic protein family.
発生段階	Expression begins abruptly in 14-16 week old fetuses. Even smaller isoforms seem to be produced during embryogenesis; some of these persisting in the adult. Isoform 4 expression is more evident at 16 weeks and its relative proportion declines thereafter.
翻訳後修飾	Several charge isomers of MBP; C1 (the most cationic, least modified, and most abundant form), C2, C3, C4, C5, C6, C7, C8-A and C8-B (the least cationic form); are produced as a result of optional PTM, such as phosphorylation, deamidation of glutamine or asparagine, arginine citrullination and methylation. C8-A and C8-B contain each two mass isoforms termed C8-A(H), C8-A(L), C8-B(H) and C8-B(L), (H) standing for higher and (L) for lower molecular weight. C3, C4 and C5 are phosphorylated. The ratio of methylated arginine residues decreases during aging, making the protein more cationic. The N-terminal alanine is acetylated (isoform 3, isoform 4, isoform 5 and isoform 6). Arg-241 was found to be 6% monomethylated and 60% symmetrically dimethylated.
細胞内局在	Myelin membrane. Cytoplasmic side of myelin.

画像



Sandwich ELISA - Anti-Myelin Basic Protein antibody (ab28541)

Fixed Immobilized Anti-MBP (ab28541): 2 ug/mL, 100 ul/well
 Captured Antigen: Swine MBP , range from 1 to 90 ng/mL
 Detection: anti-MBP HRP (**ab77895**), 0.25 ug/mL in 1% BSA and PBSt



Sandwich ELISA - Anti-Myelin Basic Protein antibody (ab28541)

Immobilized Anti-MBP (ab28541): range from 0.125 to 2 ug/ml, 100 ul/well
 Fixed Captured Antigen: Swine MBP, 500 ng/mL
 Detection: anti-MBP HRP (**ab77895**), 0.25 ug/mL in 1% BSA and PBSt

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