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Myelin Basic Protein (D8X4Q) XP[®] Rabbit mAb (Alexa Fluor[®] 647 Conjugate)

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IF-F	H M R	Endogenous	Rabbit IgG	#P02686	4155
Product Usage Information	Application			Dilution	
	Immunofluorescence (Frozen)			1:50	
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.				
Specificity/Sensitivity	Myelin Basic Protein (D8X4Q) XP [®] Rabbit mAb (Alexa Fluor [®] 647 Conjugate) recognizes endogenous levels of total myelin basic protein.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala185 of human myelin basic protein.				
Description	This Cell Signaling Technology antibody is conjugated to Alexa Fluor [®] 647 fluorescent dye and tested in-house for direct immunofluorescent analysis in rat tissue. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated Myelin Basic Protein (D8X4Q) XP [®] Rabbit mAb #78896.				
Background	Myelin basic protein (MBP) is an abundant central nervous system (CNS) myelin membrane protein that plays an important role in nerve myelination. Myelin sheaths are multi-layered membranes derived from oligodendrocytes that increase the conduction velocity of axonal impulses. MBP helps to adhere the cytoplasmic leaflets of adjacent oligodendrocyte membranes to one another. Several splice variants of MBP are expressed in cells and the protein is modified following translation (i.e., phosphorylation, methylation), which suggests additional membrane adhesion functions (1).				
Background References	1. Harauz, G. and Boggs, J.M. (2013) <i>J Neurochem</i> 125, 334-61.				

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IF-F: Immunofluorescence (Frozen)
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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