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## anti-MBP antibody (AA 215-221)





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Quantity:	100 μg
Target:	MBP
Binding Specificity:	AA 215-221
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Purpose:	Mouse monoclonal antibody raised against synthetic peptide of MBP.	
Immunogen:	A synthetic peptide corresponding to amino acids 215-221 of human MBP.	
Sequence:	QDENPVV	
Clone:	QD-9	
Isotype:	IgG	
Specificity:	The QD-9 antibody can specifically detect demyelinating lesions in brains with multiple sclerosis, multiple system atrophy (MSA), as well as infarcted brains. The QD-9 antibody is, therefore, a very useful tool for detecting demyelination but not myelin in normal brain.	
Cross-Reactivity:	Human	

#### **Target Details**

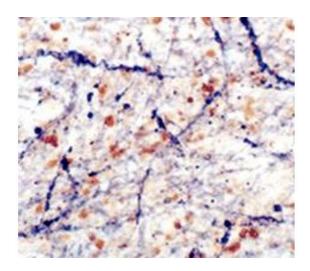
Target:	MBP
Alternative Name:	Myelin basic protein (MBP Products)
Background:	Full Gene Name: myelin basic protein Synonyms: MGC99675
Gene ID:	4155

## Application Details

Application Notes:	The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

### Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	In PBS, pH 7.4 (0.05 % sodium azide).	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, store at -20°C or below.  Aliquot to avoid repeated freezing and thawing.	



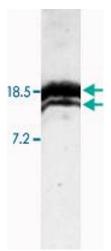


Image 1. Double staining with MBP monoclonal antibody, clone QD-9 and anti-ubiquitin in a multiple system atrophy (MSA) case (moderately affected cerebella medulla). The distribution of Cat # MAB8817 (purple) is different from that of ubiquinated glial cytoplasmic inclusions (GCIs, brown), medulla (case M6). Ubiquinated GCIs and Cat # MAB8817 positive fibers are detected. Note that Cat # MAB8817 does not stain the GCIs.

#### Western Blotting

**Image 2.** Western blot analysis of MBP monoclonal antibody, clone QD-9 in multiple systems atrophy (MSA) brain homogenates.