SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-MBP Monoclonal Antibody

Catalog Number: SLA1462M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	8D5
GeneID:	4155
SWISS:	P02686
Target:	MBP
Immunogen:	A synthesized peptide derived from human Myelin basic protein
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:1000-5000) IHC-P (1:200-500) IHC-F (1:200-500) IF (1:200-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	33 kDa
Subcellular Location:	Cytoplasm
Background:	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.

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[VALIDATION IMAGES]

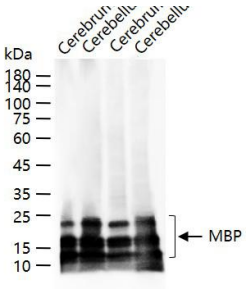


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with MBP monoclonal antibody, unconjugated (SLA1462M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

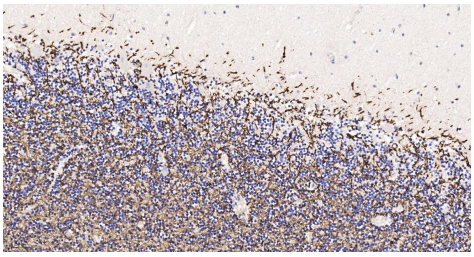


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:300 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.

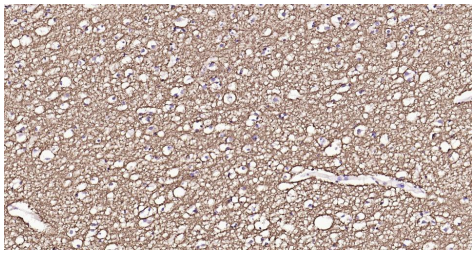


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Left Parietal Lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.

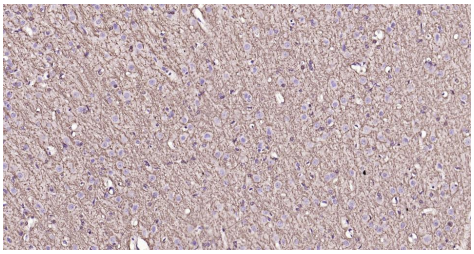


Figure 4. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

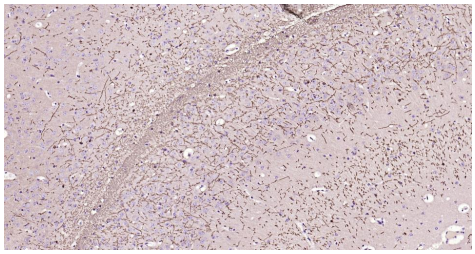


Figure 5. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

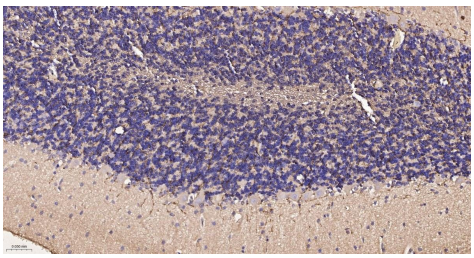


Figure 6. Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:300 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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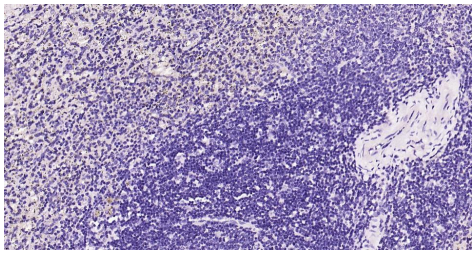


Figure 7. (Negative control) Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MBP Monoclonal Antibody, Unconjugated(SLA1462M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining. FOR RESEARCH USE ONLY. Not for use in diagnostic or therapeutic procedures.

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