

**bs-11184R****[ Primary Antibody ]****MOBP Rabbit pAb****Bioss**  
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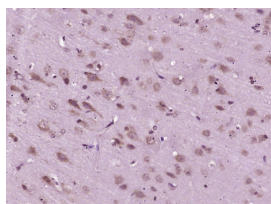
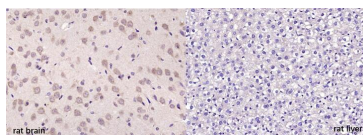
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 4336 <b>Target:</b> MOBP <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MOBP: 7-90/183. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> The gene encoding MOBP a member of the central nervous system myelin-constituting proteins, maps to chromosome 3p22.2. MOBP has many splice variants that share a 68 amino acid N-terminal domain. MOBP-71, MOBP-81A, MOBP-99, and MOBP-169 are MOBP splice variants that contain exon 8b, which is similar to myelin basic protein (MBP) mRNA RTS, however MOBP-69, MOBP-81B, and MOBP-170 lack this exon. The splice variants that contain exon 8b are expressed in myelin, while those lacking exon 8b are retained in the oligodendrocyte soma. Exon 8b-containing variants are directed to sites of myelin sheath assembly by exon 8b, where they play a structural role in myelin formation. Splice variants lacking exon 8b likely play a cellular and/or regulatory role. MOBP is implicated in multiple sclerosis (MS), a human demyelinating disease, and in allergic encephalomyelitis in rodents.	<b>Isotype:</b> IgG <b>SWISS:</b> Q13875 <b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) <b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 21 kDa <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Positive sample: Paraformaldehyde-fixed, paraffin embedded (rat brain); Negative sample: Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOBP) Polyclonal Antibody, Unconjugated (bs-11184R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOBP) Polyclonal Antibody, Unconjugated (bs-11184R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=2.161]** Kon T et al. Immunoreactivity of myelin - associated oligodendrocytic basic protein in Lewy bodies. Neuropathology. 2019. WB,IHC,IF ;Human,mouse&rat. 31183926

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