## bs-11184R

# [ Primary Antibody ]

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# **MOBP Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID: 4336 SWISS:** Q13875

Target: MOBP

**Immunogen:** KLH conjugated synthetic peptide derived from human MOBP:

7-90/183.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: 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.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Rat (predicted: Human,

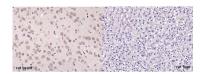
Mouse, Pig, Sheep, Cow,

Dog, Horse)

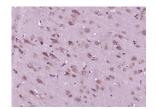
**Predicted** 21 kDa MW.:

Subcellular Cytoplasm

### **VALIDATION IMAGES**



Positive sample: Paraformaldehyde-fixed, paraffin embedded (rat brian); 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=6.2] Gaminde-Blasco Adhara. et al. Disruption of hnRNP A2-mediated RNA dynamics by amyloid-β drives MBP increase in Alzheimer's disease. CELL MOL LIFE SCI. 2025 Dec;82(1):1-22 WB,IF; Mouse,Rat. 40751749

ropathology. 2019. WB,IHC,IF;Human,mouse&rat. 31183926						