## DATASHEET

**Host:** Rabbit  
**Target Protein:** MBP  
**Immunogen:** 45-87/167  
**Range:**  
**Clonality:** Polyclonal  
**Isotype:** IgG  
**Source:** KLH conjugated synthetic peptide derived from Guinea Pig MBP  
**Purification:** Purified by Protein A.  
**Storage:** Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at -20°C for 12 months.  
**Background:** Oligodendrocyte Marker The classic group of Myelin basic protein (MBP) isoforms (isoforms 4 to 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. The non classic group of MBP isoforms (isoforms 1 to 3/Golli MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T cells and neural cells. Differential splicing events combined to optional posttranslational modifications give a wide spectrum of isomers, each of them having maybe a specialized function.

**Size:** 100ul  
**Concentration:** 1ug/ul  
**Applications:** WB(1:100-1000)  
IHC-P(1:100-500)  
IHC-F(1:100-500)  
IF(IHC-P)(1:50-200)  
IF(IHC-F)(1:50-200)  
**Cross Reactive**  
**Species:** Human  
**For research use only. Not intended for diagnostic or therapeutic use.**

## PRODUCT SPECIFIC PUBLICATIONS


## VALIDATION IMAGES

Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-MBP Polyclonal Antibody (bs-0380R),
Formalin-fixed and paraffin embedded: rat brain tissue labeled with Anti-MBP Polyclonal Antibody (bs-0380R), Unconjugated at 1:200, followed by conjugation to the secondary antibody was Goat Anti-Rabbit IgG, PE conjugated (bs-0295G-PE) at 1:200 for 40 minutes at 37°C DAPI(5ug/ml, blue) was used to stain the cell nuclei.
Mouse brain lysates probed with MBP Polyclonal Antibody, unconjugated (bs-0380R) at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 60 minutes at 37°C.