

## Product datasheet for **AP08127PU-S**

### Myelin Basic Protein (MBP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears): 1/50-1/100 using streptavidin~biotin system or polymer system. Immunofluorescence. Recommended positive control: Human brain.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified human MBP.
Specificity:	This antibody stains white matter and oligodendrocyte. Cellular Localization: Cytoplasmic.
Formulation:	PBS, pH 7.4 containing 0.05% Sodium Azide as preservative and 1% BSA as stabilizer. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	myelin basic protein
Database Link:	<a href="#">Entrez Gene 4155 Human P02686</a>



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**Background:**

Myelin Basic Protein (MBP) a 19.6 kDa highly basic protein is a major constituent of central nervous system (CNS). This protein is synthesized by oligodendrocyte and Schwann cells. MBP, Proteolipid (PLP), myelin oligodendrocyte glycoprotein (MOG) are primary encephalogenic target antigens in multiple sclerosis. The gene for MBP is on chromosome 18; the protein localizes to CNS and to various cells of the hematopoietic system. MBP is expressed in oligodendrocyte, myelin of white matter, spinal cord and in peripheral nerves

**Synonyms:**

MBP