



## Rabbit Anti-Myelin expression factor 2 antibody

SL19142R

<b>Product Name:</b>	Myelin expression factor 2
<b>Chinese Name:</b>	髓鞘表达因子2抗体
<b>Alias:</b>	MYEF2; KIAA1341; MEF 2; MST156; MYEF2_HUMAN; MYEF 2; Myelin expression factor 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	64kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Myelin expression factor 2:1-100/600
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Myelin basic protein (MBP) binds to negatively charged lipids on the cytosolic surface of oligodendrocyte membranes and is responsible for adhesion of these surfaces in multilayered Myelin sheaths. As a member of a larger family of proteins with many forms and post-translational modifications, MBP appears to have several other

functions as a result of these modifications, including participating in the transmission of extracellular signals, as well as cell signaling. These modifications of MBP are dynamic during normal central nervous system (CNS) development and during Myelin degeneration in multiple sclerosis (MS). Regulation of the human MBP gene occurs at the MB1 regulatory motif located between nucleotides -14 to -50. The MB1 element contains binding sites for both the activator protein MEF-1/Pur $\alpha$  and the repressor protein MYEF2. MYEF2 is a nuclear protein whose expression is developmentally regulated in mouse brain with peak expression occurring at postnatal day 7. Four isoforms of MYEF2 exist due to alternative splicing events.

**Function:**

Transcriptional repressor of the myelin basic protein gene (MBP). Binds to the proximal MB1 element 5'-TTGTCC-3' of the MBP promoter. Its binding to MB1 and function are inhibited by PURA.

**Subunit:**

Monomer (By similarity).

**Subcellular Location:**

Nuclear

**Similarity:**

Contains 3 RRM (RNA recognition motif) domains.

**SWISS:**

Q9P2K5

**Gene ID:**

50804

**Database links:**

[Entrez Gene: 50804](#) Human

[Entrez Gene: 17876](#) Mouse

[SwissProt: Q9P2K5](#) Human

[SwissProt: Q8C854](#) Mouse

[Unigene: 6638](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

