

Myelin Basic Protein (DGR35772) Rat mAb

db24661

Package : 10µL 20µL 50µL 100µL

Product Name : Myelin Basic Protein (DGR35772) Rat mAb**Cat.No.:** db24661**Synonyms** : MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human, Mouse, Rat**Host species** : Rat**Background**

The protein encoded by the classic MBP gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, MBP-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long MBP gene (otherwise called "Golli-MBP") that contains 3 additional exons located upstream of the classic MBP exons. Alternative splicing from the Golli and the MBP transcription start sites gives rise to 2 sets of MBP-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-MBP, spliced in-frame to 1 or more MBP exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to MBP aa sequence. The second family of transcripts contain only MBP exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the MBP transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human Myelin Basic Protein

Gene ID

4155

Swiss Prot

P02686

Synonyms

MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein

Reactivity

Human, Mouse, Rat

Application

WB, IHC-P, ICC/IF

Recommended dilutionWB: 1:1000
IHC-P: 1:1000-1:5000
ICC/IF: 1:100-1:200**Calculated MW**

33 kDa

Observed MW

18 kDa

Host species

Rat

Clonality	Monoclonal
Clonality No.	DGR35772
Isotype	IgG2a
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.