







Myelin Basic Protein (DGR14508) Rabbit mAb

db14893 Package : 10μL 20μL 50μL 100μL

Product Name: Myelin Basic Protein (DGR14508) Rabbit mAb

Cat.No.: db14893
Synonyms: MBP
Application: WB, IHC-P
Reactivity: Human
Host species: Rabbit

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 Recombinant protein of human Myelin Basic Protein

Gene ID 4155

Swiss Prot P02686

Synonyms MBP

Reactivity Human

Application WB, IHC-P

Recommended dilution WB: 1:2000-1:20000

IHC-P: 1:200-1:500

Calculated MW 33 kDa

Observed MW 18 kDa

Host species Rabbit





Clonality Monoclonal

Clonality No. DGR14508

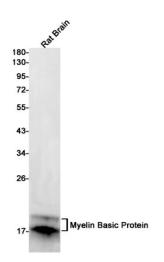
Isotype IgG

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.



Western blot detection of Myelin Basic Protein in Rat Brain lysates using Myelin Basic Protein antibody(1:1000 diluted).