Recombinant DGRmAb®

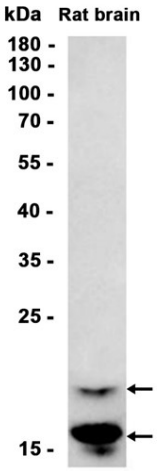
Myelin Basic Protein (DGR16586) Rabbit mAb

db11667 **Package : 10μL 20μL 50μL 100μL**

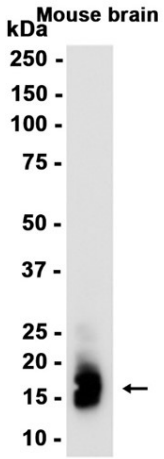
Product Name : Myelin Basic Protein (DGR16586) Rabbit mAb
Cat.No.: db11667
Synonyms : MBP; Myelin A1 protein; Myelin membrane encephalitogenic protein
Application : WB, IHC-P
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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	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
Recommended dilution	WB: 1:1000 IHC-P: 1:1000-1:5000
Calculated MW	33 kDa
Observed MW	18 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR16586
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 analysis of extracts from Rat brain tissue using db11667 at 1:1000.



Western blot analysis of extracts from Mouse brain tissue using db11667 at 1:1000.