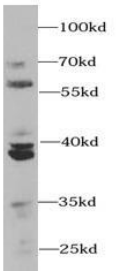
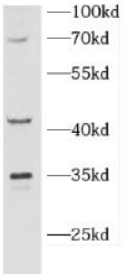
Product Data Sheet: Myelin basic protein

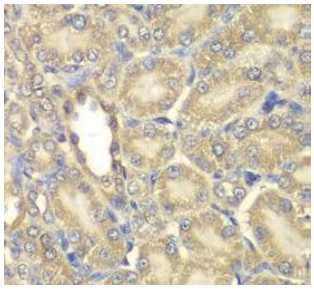
Cat. No:	AB-84315
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	myelin basic protein
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 – 1:2000 Immunohistochemistry: 1:50 – 1:200 Immunofluorescence: 1:50 – 1:200
Molecular Weight:	34kDa
Purification:	Aff. Pur. ≥95% as determined by SDS-PAGE
Synonyms:	MBP, Myelin A1 protein, Myelin basic protein
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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Storage:	T -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)



Mouse brain tissue were subjected to SDS PAGE followed by western blot with



PC-12 Rat cell lysate were subjected to SDS PAGE followed by western blot with



Immunohistochemistry of paraffin-embedded rat kidney tissue slide using

(MBP Antibody) at dilution of 1:1000

MBP Antibody) at dilution of 1:1000

(MBP Antibody) at dilution of 1:200