

Datasheet for ABIN1539854
anti-MBP antibody



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2 Images

Overview

Quantity:	0.1 mL
Target:	MBP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBP antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Purified His-tagged MBP protein(Fragment) was used to produced this monoclonal antibody.
Clone:	408CT17-4-3
Isotype:	IgM
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	MBP
Abstract:	MBP Products
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

Target Details

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].

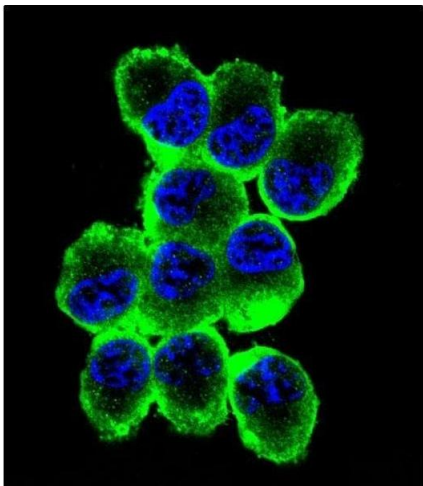
Molecular Weight:	33117
Gene ID:	4155
NCBI Accession:	NP_001020252 , NP_001020261 , NP_001020263 , NP_001020271 , NP_001020272 , NP_002376
UniProt:	P02686

Application Details

Application Notes:	IF: 1:10~50. WB: 1:5000~16000
Restrictions:	For Research Use only

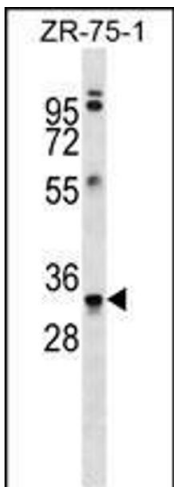
Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	MBP Antibody (Ascites) can be refrigerated at 2-8 \bar{A} , °C for up to 6 months. For long term storage, keep at -20 \bar{A} , °C.
Expiry Date:	6 months



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of MBP Antibody (Ascites) ABIN1539854 with NCI- cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blotting

Image 2. MBP Antibody (Ascites) ABIN1539854 western blot analysis in ZR-75-1 cell line lysates (35 µg/lane). This demonstrates the MBP antibody detected the MBP protein (arrow).