

Datasheet for ABIN7160401  
**anti-MBP antibody (AA 1-197)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	MBP
Binding Specificity:	AA 1-197
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Myelin basic protein (1-197AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

## Target Details

Target:	MBP
Abstract:	<a href="#">MBP Products</a>
Background:	Background: The classic group of MBP isoforms (isoform 4-isoform 14) are with PLP the most abundant protein components of the myelin membrane in the CNS. They have a role in both its

## Target Details

formation and stabilization. The smaller isoforms might have an important role in remyelination of denuded axons in multiple sclerosis. The non-classic group of MBP isoforms (isoform 1-isoform 3/Golli-MBPs) may preferentially have a role in the early developing brain long before myelination, maybe as components of transcriptional complexes, and may also be involved in signaling pathways in T-cells and neural cells. Differential splicing events combined with optional post-translational modifications give a wide spectrum of isomers, with each of them potentially having a specialized function. Induces T-cell proliferation.

Aliases: GDB antibody, Golli MBP antibody, Golli MBP, myelin basic protein antibody, Hemopoietic MBP antibody, HMBPR antibody, HUGO antibody, MBP antibody, MBP\_CAVPO antibody, MBP\_HUMAN antibody, MGC99675 antibody, MLD antibody, Myelin A1 protein antibody, Myelin A1 Protein, basic antibody, Myelin basic protein antibody, Myelin Deficient antibody, Myelin membrane encephalitogenic protein antibody, OTTHUMP00000163776 antibody, OTTHUMP00000174387 antibody, OTTHUMP00000174388 antibody, SHI antibody, Shiverer antibody, SP antibody

UniProt: [P02686](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:100-1:500, IF:1:50-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

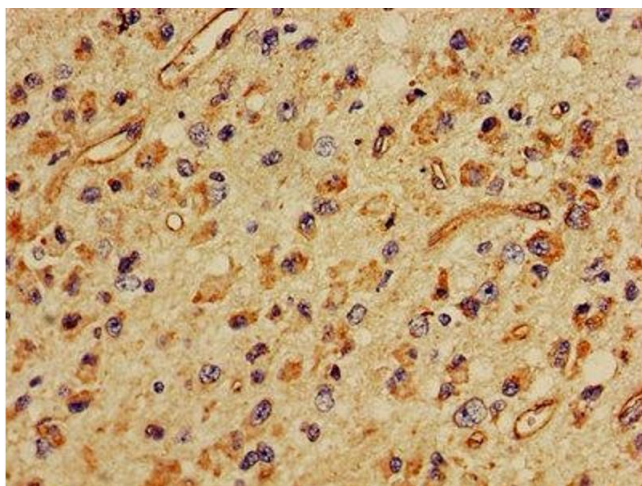
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

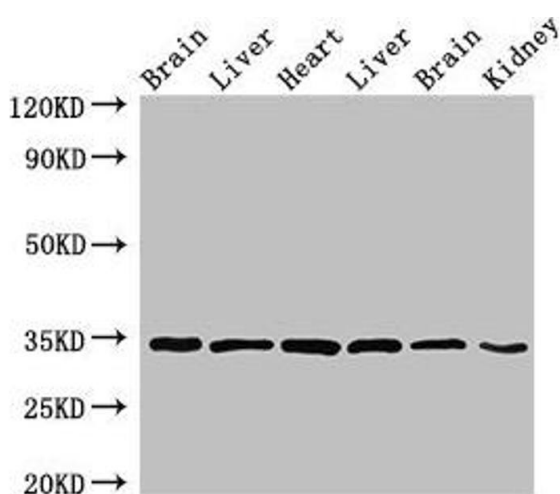
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



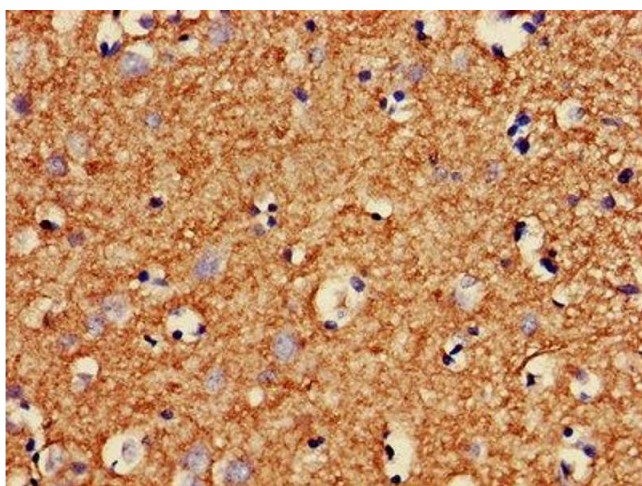
#### Immunohistochemistry

**Image 1.** IHC image of ABIN7160401 diluted at 1:400 and staining in paraffin-embedded human glioma performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Rat brain tissue, Rat liver tissue, Mouse heart tissue, Mouse liver tissue, Mouse brain tissue, Mouse kidney tissue All lanes: MBP antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 34, 22, 21, 19, 18 kDa Observed band size: 34 kDa



#### Immunohistochemistry

**Image 3.** IHC image of ABIN7160401 diluted at 1:400 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7160401.