

Rabbit Anti-Myelin Basic Protein (MBP) [MD139R]: RM0136, RM0136RTU7

Intended Use: For Research Use Only

Description: Myelin basic protein (MBP) is an intracellular protein with a highly flexible structure found in myelin of the central and peripheral nervous systems (CNS, PNS). MBP is often post-translationally modified in various ways, which includes citrullination, N-terminal acylation, deamidation and phosphorylation. MBP is expressed in oligodendrocytes in the CNS and Schwann cells in the peripheral nervous system. In the abnormal tissues, Oligodendroglioma, considered to be derived from oligodendrocytes, highly expresses MBP. MBP has also been found in tumors of the nerve sheath, including schwannoma, neurofibroma, granular cell tumors and neurogenic sarcoma. Additionally, MBP is a sensitive marker for early human fetal myelination.

Specifications:

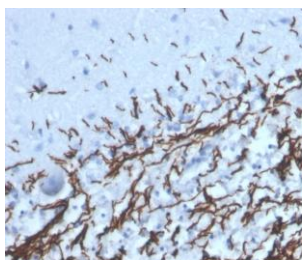
Clone: MD139R
Source: Rabbit
Isotype: IgG
Reactivity: Human
Immunogen: Recombinant fragment aa 150-250 of human MBP
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC
Package:

Description	Catalog No.	Size
Myelin Basic Protein (MBP) Concentrated	RM0136	1 ml
Myelin Basic Protein (MBP) Prediluted	RM0136RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Brain
Concentrated Dilution: 50-200
Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human brain stained with anti-MBP using DAB

References:

1. Hyperglycemia aggravates spinal cord injury through endoplasmic reticulum stress mediated neuronal apoptosis, gliosis and activation. Chen Z, et al. Biomed Pharmacother 112:108672, 2019.
2. Calcium homeostasis in fibroblasts from patients with amyotrophic lateral sclerosis. Witt MR, et al. J Neurol Sci 126:206-12, 1994.