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Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5)

Mouse Monoclonal Antibody
Catalog # ALS12758

Specification

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Product Information

Application	**IHC**
Primary Accession	P02686
Reactivity	**Human, Rabbit, Sheep, Bovine, Guinea Pig**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**33kDa KDa**

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Additional Information

Gene ID 4155

Other Names
Myelin basic protein, MBP, Myelin A1 protein, Myelin membrane encephalitogenic protein, MBP

Target/Specificity
Recognizes predominantly residues 45-91

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) is for research use only and not for use in diagnostic or therapeutic procedures.

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Protein Information

Name MBP

Function
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 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.

Cellular Location
Myelin membrane; Peripheral membrane protein; Cytoplasmic side. Note=Cytoplasmic side of myelin

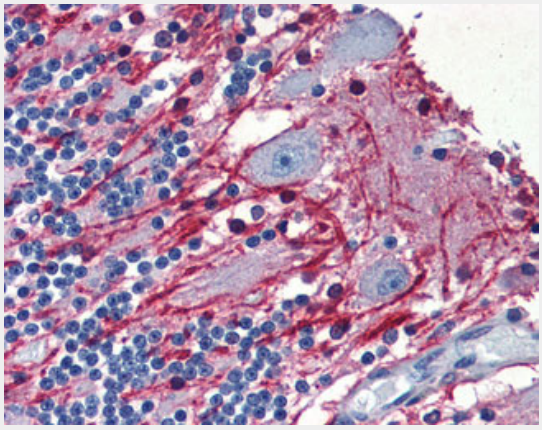
Tissue Location
MBP isoforms are found in both the central and the peripheral nervous system, whereas Golli-MBP isoforms are expressed in fetal thymus, spleen and spinal cord, as well as in cell lines derived from the immune system.

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Images



Anti-Myelin Basic Protein antibody IHC of human brain, cerebellum.

Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - Background

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Myelin Basic Protein / MBP Antibody (N-Terminus, clone V/h5) - References

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