Polyclonal Anti-Myelin Basic Protein, MBP

Catalogue No. PA1050

Lot No. 01010121450124

Ig type: rabbit IgG

Size: 100µg/vial

Specificity
Human, rat.
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry (P)

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminal of the human MBP (182-197 aa), identical to the related rat and mouse sequence.

Purity
Immunogen affinity purified.

Application

<table>
<thead>
<tr>
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<th>Concentration</th>
<th>Tested Species</th>
<th>Concluded Species</th>
<th>Antigen Retrieval</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>1µg/ml</td>
<td>Hu, Rat</td>
<td>Ms</td>
<td>-</td>
</tr>
<tr>
<td>IHC-P</td>
<td>1µg/ml</td>
<td>Hu, Rat</td>
<td>Ms</td>
<td>-</td>
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<tr>
<td>IHC-F</td>
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<td>ICC</td>
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Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.
Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Myelin basic protein (MBP) is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the central nervous system and the peripheral nervous system, respectively. It is most abundant in hemopoietic system and contains seven exons distributed over 32-34 kb. MBP isolated from MS brain may differ in charge microheterogeneity which would affect antigenic determinants. MBP is mapped to chromosome 18q22-23. Failure in this gene expression would be correlated in the central white matter with extrapyramidal system degeneration signs. Moreover, it is a candidate autoantigen in the disease multiple sclerosis.

REFERENCE


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