Product Datasheet

MBP Antibody (12)
NB600-717

Unit Size: 1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Reviews: 3  Publications: 16

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Updated 5/15/2020 v.20.1

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## Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>1 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>This product is unpurified. The exact concentration of antibody is not quantifiable.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone</strong></td>
<td>12</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.1% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG2a</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Tissue culture supernatant</td>
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<tr>
<td><strong>Buffer</strong></td>
<td>0.1 M Tris</td>
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</tbody>
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## Product Description

<table>
<thead>
<tr>
<th><strong>Host</strong></th>
<th>Rat</th>
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<tbody>
<tr>
<td><strong>Gene ID</strong></td>
<td>4155</td>
</tr>
<tr>
<td><strong>Gene Symbol</strong></td>
<td>MBP</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>Human, Mouse, Rat, Porcine, Bovine, Chicken, Guinea Pig, Mammal, Rabbit, Sheep</td>
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<tr>
<td><strong>Marker</strong></td>
<td>Oligodendrocyte Marker, Myelin Marker</td>
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<tr>
<td><strong>Specificity/Sensitivity</strong></td>
<td>NB600-717 reacts with myelin basic protein from a wide range of species. The antibody reacts weakly with peptides ending in the Phe 91 where the 91-92 Phe-Phe bond is broken. Synthetic peptide 82-99 reacts very well, as does intact MBP. Further epitope analysis indicates binding to a region defined by amino acids 82-87 (DENPVV). Clone 12 has been reported as being suitable for use in Western blotting.</td>
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<tr>
<td><strong>Immunogen</strong></td>
<td>Bovine MBP</td>
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## Product Application Details

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Radioimmunodiffusion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application Notes</strong></td>
<td>Use in IHC-F was reported in a scientific publication (PMID: 23681668).</td>
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</table>
Western Blot: MBP Antibody (12) [NB600-717] - Mouse Brain Tissue lysate probed with Rat anti MBP.

Immunocytochemistry/Immunofluorescence: MBP Antibody (12) [NB600-717] - Histological and mRNA analysis of the inflammatory cytokines in the vehicle- or etifoxine-treated mice at onset of clinical symptoms. At day 10 p.i., drug treated animals showed significant differences in MBP staining. Animals treated with etifoxine showed an increase in retention of percentage of MBP coverage (*p = 0.001). Image collected and cropped by CiteAb from the following publication (http://embomolmed.embopress.org/cgi/doi/10.1002/emmm.201202124), licensed under a CC-BY licence.


<table>
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<tbody>
<tr>
<td>Itoh A, Horiuchi M, Wakayama K et al. ZPK/DLK, a mitogen-activated protein kinase kinase kinase, is a critical mediator of programmed cell death of motoneurons Comparative Study 2011 May 18 [PMID: 21593306] (IHC-Fr, Mouse)</td>
</tr>
<tr>
<td>Gorse kM, Lafrenaye AD. The Importance of Inter-Species Variation in Traumatic Brain Injury-Induced Alterations of Microglial-Axonal Interactions. Front Neurol. Sep 20 2018 12:00AM [PMID: 30294296] (IHC, Rat)</td>
</tr>
<tr>
<td>Bertrand MJ, Lippens S, Staes A et al. cIAP1/2 are direct E3 ligases conjugating diverse types of ubiquitin chains to receptor interacting proteins kinases 1 to 4 (RIP1-4). PLoS One 2011 [PMID: 21931591] (IHC, Human)</td>
</tr>
<tr>
<td>Kawai K, Itoh T, Itoh A et al. Maintenance of the relative proportion of oligodendrocytes to axons even in the absence of BAX and BAK. Eur J Neurosci 2009 Dec 3 [PMID: 20128842] (IHC, Mouse)</td>
</tr>
<tr>
<td>Meade ML, Hoffmann A, Makley MK et al. Quantitative proteomic analysis of the brainstem following lethal sarin exposure Brain Res. 2015 Apr 01 [PMID: 25842371] (WB, Guinea Pig)</td>
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</tbody>
</table>

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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