Product Datasheet

Endophilin B1/Bif-1 Antibody (30A882.1.1)
NBP2-24733

Unit Size: 0.1 mg

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

Publications: 22

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Updated 2/21/2019 v.20.1

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**NBP2-24733**
Endophilin B1/Bif-1 Antibody (30A882.1.1)

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.1 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4C short term. Aliquot and store at -20C 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>30A882.1.1</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1 Kappa</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS</td>
</tr>
</tbody>
</table>

### Product Description

<table>
<thead>
<tr>
<th><strong>Host</strong></th>
<th>Mouse</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gene ID</strong></td>
<td>51100</td>
</tr>
<tr>
<td><strong>Gene Symbol</strong></td>
<td>SH3GLB1</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td><strong>Reactivity Notes</strong></td>
<td>Mouse reactivity reported in scientific literature (PMID: 25619828). Rat reactivity reported in scientific literature (PMID: 19074440).</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>A full-length human Bif-1 recombinant protein was used as immunogen.</td>
</tr>
</tbody>
</table>

### Product Application Details

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Dilutions</strong></td>
<td>Western Blot, Simple Western 1:200, Immunohistochemistry 5ug/ml, Immunocytochemistry/Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 5 ug/ml</td>
</tr>
<tr>
<td><strong>Application Notes</strong></td>
<td>Use in Immunocytochemistry/immunofluorescence reported in multiple pieces of scientific literature.</td>
</tr>
<tr>
<td></td>
<td>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.</td>
</tr>
</tbody>
</table>
Western Blot: Endophilin B1/Bif-1 Antibody (30A882.1.1) [NBP2-24733] - Analysis for Bi-f-1/Endophilin-B1 using this antibody at 2 ug/ml dilution against 10 ug of Jurkat cell lysate.

Immunohistochemistry-Paraffin: Endophilin B1/Bif-1 Antibody (30A882.1.1) [NBP2-24733] - IHC analysis of formalin fixed paraffin-embedded (FFPE) human kidney using 5 ug/ml conc. of Endophilin B1 antibody (clone 30A882.1.1) on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Cytoplasmic staining of Endophilin B1 was observed. Staining was performed by Histowiz.

Simple Western: Endophilin B1/Bif-1 Antibody (30A882.1.1) [NBP2-24733] - Simple Western lane view shows a specific band for Endophilin B1/Bif-1 in 0.05 mg/ml of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.
Publications


Details:

Endophilin B1/Bif-1 antibody (clone 30A882.1.1) used for WB application at 1:500 dilution in experiments involving a mouse model of Alzheimer’s disease pathology. Figure 1 shows the expression of Endophilin B1/Bif-1 in lysates from hippocampus and cortex of 10-month-old double mutant amyloid precursor protein and presenilin 1 (APPsw/PSEN1DE9) mouse model of Alzheimer’s disease and wild-type littermates. WB also performed on postnatal cortical neurons which were infected with EGFP or endophilin-B1 isoforms for 3 days, then treated with 10 mM amyloid-b25-35 or reverse peptide amyloid-b35-25 for 24 h (Figure 6A). Expression of Endophilin B1 was also studied in the inferior parietal lobule cerebral cortex of patients at various Braak stages (Figure 7). In all WB results, this antibody generated two major bands with the lower band representing ubiquitously expressed endophilin-B1a isoform and the upper band corresponding to neuron-specific isoforms, endophilin-B1b/c (described previously also by Wang et al., 2014; PMID 24523556).


More publications at http://www.novusbio.com/NBP2-24733
**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.

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