Product Datasheet

AIF-1/Iba1 Antibody
NB100-1028

Unit Size: 0.1 mg
Store at -20C. Avoid freeze-thaw cycles.

Reviews: 11  Publications: 61

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# AIF-1/Iba1 Antibody

## Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>Concentration</td>
<td>0.5 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20°C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Purity</td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>Tris (pH 7.3), 0.5% BSA</td>
</tr>
<tr>
<td>Target Molecular Weight</td>
<td>17 kDa</td>
</tr>
</tbody>
</table>

## Product Description

- **Host**: Goat
- **Gene ID**: 199
- **Gene Symbol**: AIF1
- **Species**: Human, Mouse, Rat, Porcine, Canine
- **Reactivity Notes**: Mouse reactivity reported in scientific literature (PMID: 26490872).
- **Marker**: pan-Microglia Marker
- **Specificity/Sensitivity**: This antibody is expected to recognize isoform 1 (NP_116573.1) and isoform 3 (NP_001614.3). AIF1 / IBA1 is thought to be involved in negative regulation of growth of vascular smooth muscle cells, which contributes to the anti-inflammatory response to vessel wall trauma.
- **Immunogen**: Peptide with sequence C-TGPPAKKAISELP corresponding to C-Terminus according to NP_001614.3.

## Product Application Details

- **Applications**: Western Blot, Peptide ELISA
- **Recommended Dilutions**: Western Blot 1 - 3 μg/ml, Peptide ELISA Detection Limit 1:128000
- **Application Notes**: Western blot: Approx 18 kDa band observed in human brain (frontal cortex), 17 kDa in mouse brain and 16 kDa in rat brain lysates (calculated MW of 16.7 kDa according to Human NP_001614.3, and 16.8 kDa according to Mouse NP_062340.1 and Rat NP_058892.1). Primary incubation 1 hour at room temperature. IHC: Use in immunohistochemistry reported in scientific literature and customer reviews. However, variation between lots has been observed. ICC: Use in immunocytochemistry reported in scientific literature (PMID: 26335282). Please contact technical support if you have any questions.
Western Blot: AIF-1/Iba1 Antibody [NB100-1028] - Human frontal cortex (A), Rat (B), Mouse (C), and Pig (D) brain lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.

Publications


Lin YT, Seo J, Gao F et al. APOE4 Causes Widespread Molecular and Cellular Alterations Associated with Alzheimer's Disease Phenotypes in Human iPSC-Derived Brain Cell Types Neuron Jun 27 2018 12:00AM [PMID: 29953873] (Human)


Chang LH, Lin HC, Huang SS et al. Blockade of soluble epoxide hydrolase attenuates post-ischemic neuronal hyperexcitation and confers resilience against stroke with TrkB activation Sci Rep 2018 Jan 08 [PMID: 29311641] (IHC-Fr, Mouse)


Marques-Torrejon MA, Gangoso E, Pollard SM. Modelling glioblastoma tumour-host cell interactions using adult brain organotypic slice co-culture. Dis Model Mech 2017 Dec 01 [PMID: 29196443] (Mouse)


More publications at http://www.novusbio.com/NB100-1028
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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Products Related to NB100-1028

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
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<tbody>
<tr>
<td>NBL1-07408</td>
<td>AIF-1/Iba1 Overexpression Lysate (Native)</td>
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<tr>
<td>HAF109</td>
<td>Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>HAF017</td>
<td>Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NBP1-97023-1mg</td>
<td>Goat IgG F(ab)2 Isotype Control</td>
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