Product Datasheet

Angiopoietin-1 Antibody
NB600-629

Unit Size: 0.2 ml
Store at -20C. Avoid freeze-thaw cycles.

Publications: 3
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Updated 6/27/2019 v.20.1
**Product Information**

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.2 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 -20°C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.01% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>Serum</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Unpurified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</td>
</tr>
</tbody>
</table>

**Product Description**

| **Host** | Rabbit |
| **Gene ID** | 284 |
| **Gene Symbol** | ANGPT1 |
| **Species** | Human, Mouse |
| **Reactivity Notes** | Partially cross reactivity is noted with human angiopoietin. |

**Specificity/Sensitivity**

This antiserum is directed against mouse angiopoietin 1 and shows no reactivity with mouse angiopoietin 2. A 57 kDa band is detected when assayed by immunoblot. This reagent cross-reacts with human angiopoietin 1. Both Ang-1 and Ang-2 proteins have predicted molecular weights of approximately 57 kDa and appear on western blots close to their predicted molecular weights. In some instances additional bands may be seen at approximately 75 kDa which represent highly glycosylated forms of the protein that migrate at a higher apparent molecular weight.

**Immunogen**

This whole rabbit serum was prepared by repeated immunizations with a synthetic peptide N-Q-R-R-N-P-E-N-G-G-R-R-Y-N-R-I-Q-H-G-Q corresponding to a region (aa 21-40) near the N-terminus of mouse angiopoietin 1 protein conjugated to KLH using maleimide. A residue of cysteine was added to the amino terminal end to facilitate coupling.

**Product Application Details**

**Applications**

Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation

**Recommended Dilutions**


**Application Notes**

Suitable for western blotting, Immunohistochemistry and other antibody based assays. A 1:500 dilution is recommended for western blotting. The reaction of this antiserum directly with cell supernatants may result in high background Due to reactivity of components in the serum. This can be alleviated by first immunoprecipitating the antibody:antigen complex and then detecting the antigen. This method results in a very clean and strong signal. Both Ang-1 and Ang-2 proteins have predicted molecular weights of approximately 57 kDa and appear on western blots close to their predicted molecular weights. In some instances additional bands may be seen at approximately 75 kDa which represent highly glycosylated forms of the protein that migrate at a higher apparent molecular weight.
Publications


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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