Product Datasheet

DARC Antibody
NB100-2421

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

Publications: 7

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# NB100-2421

**DARC Antibody**

## Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Size</strong></td>
<td>0.1 mg</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>0.5 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA</td>
</tr>
<tr>
<td><strong>Target Molecular Weight</strong></td>
<td>36 kDa</td>
</tr>
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</table>

## Product Description

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Host</strong></td>
<td>Goat</td>
</tr>
<tr>
<td><strong>Gene ID</strong></td>
<td>2532</td>
</tr>
<tr>
<td><strong>Gene Symbol</strong></td>
<td>ACKR1</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>Human</td>
</tr>
<tr>
<td><strong>Specificity/Sensitivity</strong></td>
<td>This antibody is expected to recognize both reported isoforms (NP_001116423.1; NP_002027.2).</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Peptide with sequence HRAELSPSTENSSQLDFED-C corresponding to N-Terminus according to NP_001116423.1, NP_002027.2.</td>
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## Product Application Details

<table>
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<th>Parameter</th>
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<tbody>
<tr>
<td><strong>Applications</strong></td>
<td>Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA</td>
</tr>
<tr>
<td><strong>Recommended Dilutions</strong></td>
<td>Western Blot 0.3-1 ug/ml, Flow Cytometry 1:1000, Immunohistochemistry 3 ug/ml, Immunohistochemistry-Paraffin 3 ug/ml, Peptide ELISA detection limit 1:16000</td>
</tr>
<tr>
<td><strong>Application Notes</strong></td>
<td>WB: Approx 37kDa band observed in Human Kidney and Liver lysates (calculated MW of 35.6kDa according to NP_002027.2). IHC-P: In paraffin embedded human kidney stains epithelial cells of renal tubules and endothelial cells of vessels. The granular staining is compatible with the endoplasmic reticulum association of the protein. This antibody has also been successfully used on Human Lung showing endothelial staining. Flow cytometry Analysis of HEK293 cells. A customer has reported successful staining of HEK293S-TetR transfected with DARC receptor at a dilution of 1/1000.</td>
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</tbody>
</table>
Western Blot: DARC Antibody [NB100-2421] - DARC (0.3ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.


Flow Cytometry: DARC Antibody [NB100-2421] - analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

### Publications

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Journal/Media</th>
<th>Date</th>
<th>PMID</th>
<th>Genomic/Proteomic/Immunological Methods/Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absence of multiple atypical chemokine binders (ACBs) and the presence of VEGF and MMP-9 predict axillary lymph node metastasis in early breast carcinomas</td>
<td>Zeng XH, Ou ZL, Yu KD et al.</td>
<td>Med. Oncol.</td>
<td>Sep 01 2014</td>
<td>[PMID: 25097078]</td>
<td></td>
</tr>
</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.

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