### Product Datasheet

**Anti-SV40 T-antigen antibody [PAb416] ab16879**

- **Product Name**: Anti-SV40 T-antigen antibody [PAb416]
- **Description**: Mouse monoclonal [PAb416] to SV40 T-antigen
- **Host Species**: Mouse
- **Tested Applications**: Suitable for: ICC, Flow Cyt, ICC/IF, WB, IP, IHC-P
- **Species Reactivity**: SV40 infected cells.
- **Immunogen**: SV40 transformed mouse cells
- **Epitope**: Within amino acids 83-128 of the large T-antigen.
- **Positive Control**: SV80 or SV-T2 cells.

### Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage Instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C.</td>
</tr>
<tr>
<td><strong>Storage Buffer</strong></td>
<td>Preservative: 0.02% Sodium azide Constituent: PBS</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Tissue culture supernatant</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>PAb416</td>
</tr>
<tr>
<td><strong>Myeloma</strong></td>
<td>NS1</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG2a</td>
</tr>
</tbody>
</table>

### Applications

**Our Abpromise guarantee** covers the use of **ab16879** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC</td>
<td></td>
<td>Use a concentration of 1 - 5 µg/ml.</td>
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</table>
Cellular localization  
Nuclear

<table>
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<tr>
<th>Application</th>
<th>Abviews</th>
<th>Notes</th>
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</table>
| Flow Cyt    | ★★★★★ | 1/100.  
_ab170191_ - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |
| ICC/IF      | ★★★★★ | Use a concentration of 1 - 5 µg/ml. |
| WB          | ★★★★★ | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 82 kDa. |
| IP          |         | Use a concentration of 1 - 5 µg/ml. |
| IHC-P       |         | Use at an assay dependent concentration. |

Target

Images

Western blot - Anti-SV40 T-antigen antibody  
[PAb416] (ab16879)  
This image is courtesy of an Abreview submitted by Mr Adam Hoffhines

All lanes: Anti-SV40 T-antigen antibody [PAb416] (ab16879) at 1 µg/ml

Lane 1: Whole cell lysate mouse embryonic fibroblasts immortalized by transduction with a virus harboring the gene encoding the large T antigen.

Lane 2: Whole cell lysate mouse embryonic fibroblasts, not immortalized.

Lysates/proteins at 7 µg per lane.

Secondary

All lanes: HRP conjugated sheep-anti mouse IgG

Developed using the ECL technique.

Performed under non-reducing conditions.

Predicted band size: 82 kDa

Observed band size: ~80 kDa

why is the actual band size different from the predicted?

Exposure time: 2 seconds
Immunocytochemistry/ Immunofluorescence - Anti-SV40 T-antigen antibody [PAb416] (ab16879)

This image is courtesy of an anonymous Abreview.

Flow Cytometry - Anti-SV40 T-antigen antibody [PAb416] (ab16879)

Image courtesy of Nir Drayman by Abreview.

CV1 cells were either mock infected or infected with SV40 at moi 10. Cells were then harvested (trypsinized and centrifuged) and fixed 72 hours post infection in 100% Methanol at -20°C. Cells were stained for 1 hour with ab16879 at a 1/100 dilution, washed and then stained with Donkey polyclonal Secondary Antibody to Mouse IgG - H&L (DyLight® 488), pre-adsorbed, ab98794 at a 1/200 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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