**Product datasheet**

**Anti-VAV1 antibody ab97574**

4 References 4 Images

### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-VAV1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to VAV1</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB, IHC-P</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Mouse, Human</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Recombinant protein fragment containing a sequence corresponding to a region within amino acids 83 and 538 of Human VAV1 (NP_005419)</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>WB: Jurkat, NCI-H929 and BCL-1 whole cell lysate. IHC-P: Human serous ovarian cancer.</td>
</tr>
</tbody>
</table>
| **General notes** | Reproducibility is key to advancing scientific discovery and accelerating scientists’ next breakthrough.
Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.
We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.
In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.
We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.
Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.
Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As. |

### Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.</td>
</tr>
</tbody>
</table>
Avoid freeze / thaw cycle.

### Storage buffer
- pH: 7.00
- Preservative: 0.025% Proclin 300
- Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)

### Purity
- Immunogen affinity purified

### Clonality
- Polyclonal

### Isotype
- IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab97574** in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>1/100 - 1/1000.</td>
<td></td>
</tr>
</tbody>
</table>

### Target

**Function**
- Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.

**Tissue specificity**
- Widely expressed in hematopoietic cells but not in other cell types.

**Sequence similarities**
- Contains 1 CH (calponin-homology) domain.
- Contains 1 DH (DBL-homology) domain.
- Contains 1 PH domain.
- Contains 1 phorbol-ester/DAG-type zinc finger.
- Contains 1 SH2 domain.
- Contains 2 SH3 domains.

**Domain**
- The DH domain is involved in interaction with CCPG1.

**Post-translational modifications**
- Phosphorylated on tyrosine residues.
Western blot - Anti-VAV1 antibody (ab97574)

**All lanes**: Anti-VAV1 antibody (ab97574) at 1/500 dilution

**Lane 1**: Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate
**Lane 2**: Raji (human Burkitt's lymphoma cell line) whole cell lysate
**Lane 3**: NCI-H929 (human bone marrow lymphoblast cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes**: HRP-conjugated anti-rabbit IgG antibody

**Predicted band size**: 98 kDa

7.5% SDS-PAGE

Paraffin-embedded human serous ovarian cancer tissue stained VAV1 using ab97574 at 1/100 dilution in immunohistochemical analysis.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min
Western blot - Anti-VAV1 antibody (ab97574)

Anti-VAV1 antibody (ab97574) at 1/1000 dilution + BCL-1 (mouse B lymphocyte lymphoma cell line) whole cell lysate at 30 µg

Secondary
HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 98 kDa

7.5% SDS-PAGE

All lanes: Anti-VAV1 antibody (ab97574) at 1/500 dilution

Lane 1: Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 2: NCI-H1299 (human lung carcinoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

Secondary
All lanes: HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 98 kDa

7.5% SDS-PAGE

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

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