

## Product datasheet

### Anti-VAT1 antibody ab242045

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#### Overview

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<b>Product name</b>	Anti-VAT1 antibody
<b>Description</b>	Rabbit polyclonal to VAT1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human VAT1 aa 1-50. The exact sequence is proprietary. Database link: <a href="#">Q99536</a>
<b>Positive control</b>	WB: HeLa, Jurkat and HEK-293T whole cell lysate. IP: VAT1 IP in HEK-293T whole cell lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
<b>Purity</b>	pH 7-8 Immunogen affinity purified
<b>Purification notes</b>	Antibody was affinity purified using an epitope specific to VAT1 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab242045 in the following tested applications.

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

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.
WB		1/2000 - 1/10000.

## Target

### Function

Possesses ATPase activity (By similarity). Plays a part in calcium-regulated keratinocyte activation in epidermal repair mechanisms. Has no effect on cell proliferation.

### Tissue specificity

Expressed in brain. Also expressed in glioblastoma cells.

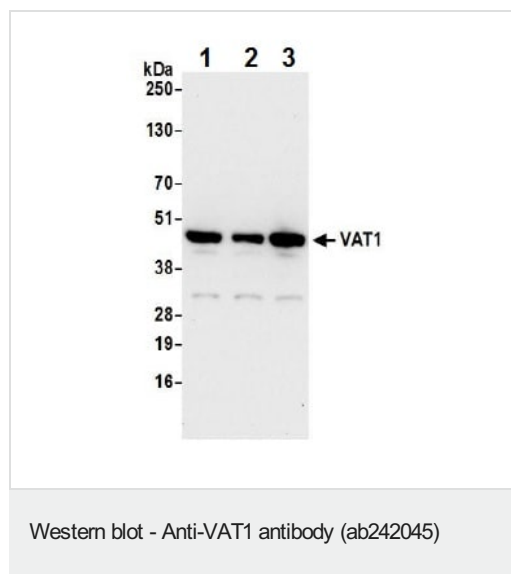
### Sequence similarities

Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.

### Cellular localization

Cytoplasm.

## Images



**All lanes :** Anti-VAT1 antibody (ab242045) at 0.1 µg/ml

**Lane 1 :** HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

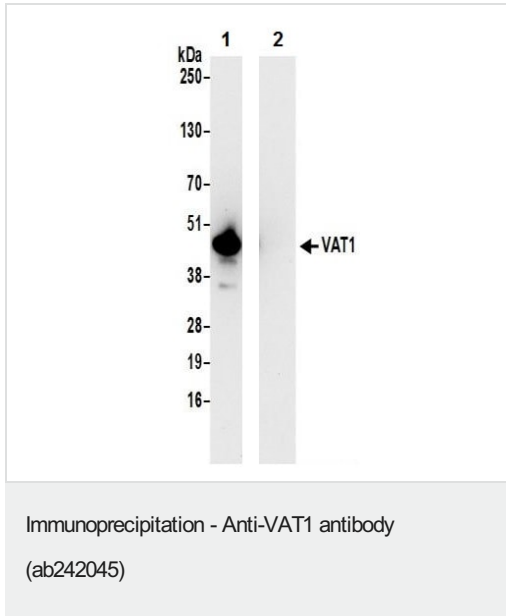
**Lane 3 :** Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

Lysates/proteins at 15 µg per lane.

Developed using the ECL technique.

**Exposure time:** 10 seconds

Prepared using NETN lysis buffer.



VAT1 was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) using ab242045 at 6 µg per reaction. Western blot was performed from the immunoprecipitate using ab242045 at 0.4 µg/ml.

**Lane 1:** ab242045 IP in HEK-293T whole cell lysate.

**Lane 2:** Control IgG in HEK-293T whole cell lysate.

Detection: Chemiluminescence with an exposure time of 10 seconds.

Prepared using NETN lysis buffer.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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