

## Product datasheet

# Anti-VSV-G tag antibody [P5D4] ab50549

★★★★★ [1 Abreviews](#) [22 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-VSV-G tag antibody [P5D4]
<b>Description</b>	Mouse monoclonal [P5D4] to VSV-G tag
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Synthetic peptide corresponding to C terminal amino acids 497-511 of VSV-G tag conjugated to KLH
<b>Positive control</b>	WB: Whole extract of HEK-293T cells over-expressing VSV-G-tagged Vinculin. ICC/IF: COS7 cells over-expressing VSV-G tagged vinculin.
<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot(s) is/are from ascites and is still in stock as of 25th October 2016- GR223940, GR223940. Lot numbers other than GR223940 and GR223940 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>In infected cells, ab50549 localizes the immature forms of VSV-G in the rough endoplasmic reticulum (RER) and in the cisternae of Golgi complex, as well as mature VSV-G at the cell surface and in the budding virus. The antibody does not stain the secreted form of VSV-G which lacks the membrane and the cytoplasmic domain.</p> <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.
<b>Storage buffer</b>	pH: 7.40

	Preservative: 0.097% Sodium azide Constituent: PBS
<b>Purity</b>	Proprietary Purification
<b>Purification notes</b>	Purified from Tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	P5D4
<b>Isotype</b>	IgG1

## Applications

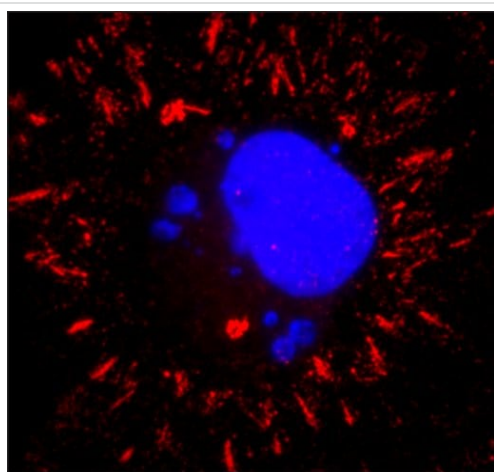
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab50549 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 0.5 - 1 µg/ml.
<b>IP</b>		Use at an assay dependent concentration.
<b>ICC</b>		Use at an assay dependent concentration.

## Target

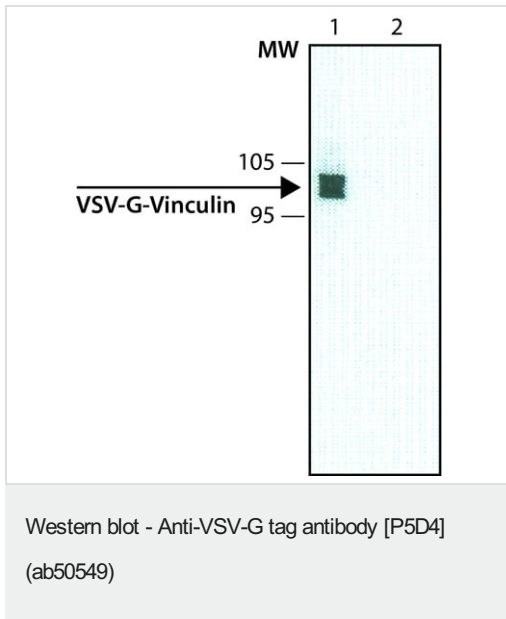
**Relevance** Vesicular stomatitis virus (VSV), an enveloped RNA virus from the Rhabdoviridae family, is released from the plasma membrane of host cells by a process called budding. The glycoprotein (VSV-g) contains a domain in its extracellular membrane proximal stem that appears to be needed for efficient VSV budding.

## Images



COS7 cells over-expressing VSV-G tagged vinculin were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton X-100. Fixed cells were stained with 5 µg/ml ab50549. The antibody was developed using Goat Anti-Mouse IgG, Cy3™ conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.

Immunocytochemistry - Anti-VSV-G tag antibody  
[P5D4] (ab50549)



**Lane 1** : Anti-VSV-G tag antibody [P5D4] (ab50549) at 0.5 µg/ml

**Lane 2** : Negative control: without first antibody

**Lane 1** : Whole extract of HEK-293T cells over-expressing VSV-G-tagged Vinculin

**Lane 2** : Whole extract of HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cells over-expressing VSV-G-tagged Vinculin

**Secondary**

**All lanes** : Goat Anti-Mouse IgG-Peroxidase

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

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