



Product datasheet

Biotin Anti-VSV-G tag antibody ab34774

★★★★★ [9 Abreviews](#) [6 References](#) [3 Images](#)

Overview

Product name	Biotin Anti-VSV-G tag antibody
Description	Biotin Rabbit polyclonal to VSV-G tag
Host species	Rabbit
Conjugation	Biotin
Specificity	This antibody is directed against VSV-G protein.
Tested applications	Suitable for: ELISA, WB, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to VSV-G tag aa 501-511. Sequence: YTDIEMNRLGK
	 Run BLAST with  Run BLAST with
General notes	<p>Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) Biotin/Protein Ratio: 10-20 BAC molecules per Donkey IgG molecule.</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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.50 Preservative: 0.01% Sodium azide Constituents: 1% BSA, 0.42% Tripotassium orthophosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34774 in the following tested applications.

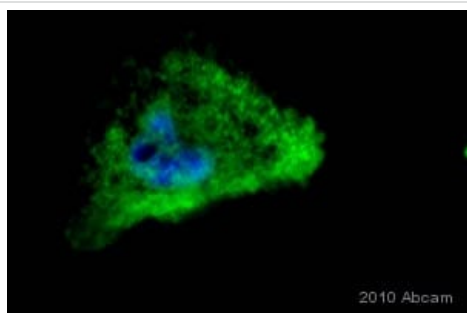
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA	★★★★★ (1)	1/3000 - 1/12000.
WB	★★★★★ (2)	1/500 - 1/2000. Predicted molecular weight: 57.5 kDa.
ICC/IF	★★★★★ (2)	1/200 - 1/1000. We recommend paraformaldehyde fixation with detergent permeabilization of cells infected with VSV or transfected with the wild-type VSV-G protein.

Target

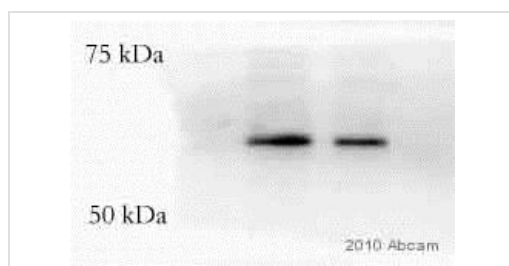
Relevance Vesicular stomatitis virus (VSV), an enveloped RNA virus from the Rhabdoviridae family, is released from the plasma membrane of host cells by a process called budding. The glycoprotein (VSV-g) contains a domain in its extracellular membrane proximal stem that appears to be needed for efficient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

Images



Immunocytochemistry/ Immunofluorescence - Biotin
Anti-VSV-G tag antibody (ab34774)
Image courtesy of an anonymous Abreview.

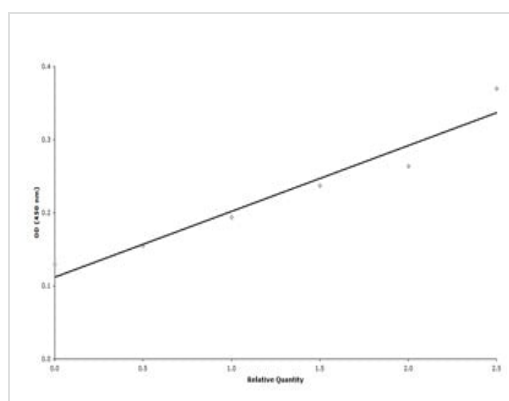
ab34774 staining VSV-G tag in human HeLa cells by Immunocytochemistry/ Immunofluorescence. The cells were paraformaldehyde fixed, permeabilised in 0.025% Triton-X in PBS and then blocked using 5% serum for 1 hour. Samples were then incubated with primary antibody at 1/200 for 16 hours at 4°C. The secondary antibody used was a goat polyclonal conjugated to Alexa Fluor® 488 (green) used undiluted.



Western blot - Biotin Anti-VSV-G tag antibody (ab34774)

Image courtesy of an anonymous Abreview.

Both lanes are ab34774 at a 1/500 dilution plus 20µg of whole cell lysate prepared from HeLa cells transfected with VSV-G. A Streptavidin HRP conjugate was used at a 1/2000 dilution. Primary antibody incubated for 16 hours at 4°C. Blocking step performed using 5% milk for 1 hour at 23°C.



ELISA - Biotin Anti-VSV-G tag antibody (ab34774)

This image is courtesy of an anonymous Abreview

ab34774 detecting the VSV-G tag in HeLa cells expressing VSV-G by direct ELISA. Samples were blocked with 5% BSA for 1 hour at 23°C and incubated with the primary antibody (1/3000 in blocking buffer) for 16 hours at 4°C. An undiluted streptavidin-alkaline phosphatase conjugate polyclonal was used as the secondary antibody.

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