

Product datasheet

Anti-Vaccinia Virus antibody ab35219

★★★★★ [4 Abreviews](#) [25 References](#)

Overview

Product name	Anti-Vaccinia Virus antibody
Description	Rabbit polyclonal to Vaccinia Virus
Host species	Rabbit
Specificity	This antibody reacts with purified Virions. It does not react with uninfected cells.
Tested applications	Suitable for: ELISA, IHC-Fr, WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Vaccinia virus
Immunogen	Tissue, cells or virus corresponding to Vaccinia Virus. Vaccinia virus, New York City Board of Health (NYCBOH) strain.
General notes	<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	This antibody is greater than 95% pure.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab35219 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		1/500 - 1/2000.
IHC-Fr		Use at an assay dependent concentration.
WB	★★★★☆ (1)	Use at an assay dependent concentration. Predicted molecular weight: 14 kDa. PubMed: 25093734
IHC-P	★★★★★ (2)	Use at an assay dependent concentration. PubMed: 25093734
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. PubMed: 22615950

Target

Relevance

Vaccinia virus is an Orthopoxvirus, containing double stranded DNA. Fusion protein plays an important role in the entry of enveloped virus into cells. As vaccinia virus has a wide host range, it is conceivable that certain cellular components that are ubiquitously expressed on the cell mediate virus infection. The study of the entry process, attachment, fusion and the proteins and receptors involved is complex. During vaccinia virus infection, the fusion process is attributed to the action of the 14KDa protein (A27L). The N terminus of this protein recognises heparan sulfate on the cell surface. It interacts with the negative charges of sulfates of glycosaminoglycans (GAGs). Therefore, antibodies that recognize this 14KDa protein are able to neutralize vaccinia virus infection and enable identification other viral and cellular proteins which participate in the vaccinia virus entry process.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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