

Product datasheet

Anti-Smallpox B5R antibody ab53309

★☆☆☆☆ [1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-Smallpox B5R antibody
Description	Rabbit polyclonal to Smallpox B5R
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Variola virus
Immunogen	Synthetic peptide corresponding to Smallpox B5R aa 180-194. Variola virus Sequence: HYKKSESESYNELIK

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 0.2% Gelatin, PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab53309 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
WB		Use a concentration of 0.1 - 1 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 64 kDa).

Target

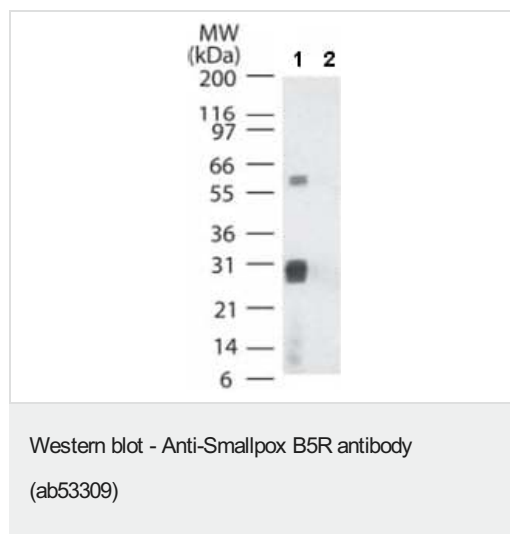
Relevance

B5R is an EEV-specific Type I membrane glycoprotein essential for EEV formation. Vaccinia virus, a member of Poxviridae family, is a dsDNA enveloped virus. It consists of 4 types of virion stages among which extracellular enveloped virus (EEV) is critical for cell-to-cell and long range viral infection. Some cellular antigens are associated with EEV and these vary with the cell type used to grow the virus. B5R consists of a large ectodomain containing regions similar to SCR domains of complement regulatory proteins followed by a transmembrane region and a cytoplasmic tail. B5R is essential for efficient wrapping of IMV, actin tail formation, normal plaque size, virus virulence, and for EEV formation.

Cellular localization

Cell Membrane

Images



All lanes : Anti-Smallpox B5R antibody (ab53309) at 0.1 µg/ml

Lane 1 : recombinant fusion protein containing amino acids 180-194

Lane 2 : fusion partner only

Predicted band size: 64 kDa

Observed band size: 30,60 kDa

60kDa band is a dimerized peptide carrier.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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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