


## Product datasheet

# Anti-HSV2 ICP4 antibody ab96432

## 1 References

### Overview

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<b>Product name</b>	Anti-HSV2 ICP4 antibody
<b>Description</b>	Rabbit polyclonal to HSV2 ICP4
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment <b>Predicted to work with:</b> Other species 
<b>Immunogen</b>	A synthetic peptide corresponding to C terminal residues of Human HSV2 ICP4
<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purity >90%
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab96432 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 1 µg/ml. Predicted molecular weight: 135 kDa. for 2 hours. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein.
ELISA		1/2000 - 1/5000.

## Target

### Relevance

ICP4 (Trans-acting transcriptional protein ICP4) is a transcriptional transactivator that binds with high affinity to the sequence 5'-ATCGTC-3'. ICP4 may interact with and recruit specific components of the general transcription machinery to viral promoters and stabilize their formation for transcription initiation. ICP4 negatively regulates its own transcription. This immediate early (IE) protein may be necessary in virion for viral pathogenesis. ICP4 is a homodimer and interacts with transcriptional regulator ICP27; this interaction is required for proper incorporation of ICP4 into virions. The long stretch of Ser is a major site of phosphorylation. Only the phosphorylated forms are capable of interacting with beta or gamma genes. ICP4 belongs to the herpesviridae ICP4/IE140/IE180 family.

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

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