

Datasheet for ABIN966333  
**anti-ICP4 (C-Term) antibody**[Go to Product page](#)**1** Publication

## Overview

Quantity:	0.1 mg
Target:	ICP4
Binding Specificity:	C-Term
Reactivity:	Herpes Simplex Virus (HSV)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC)

## Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of Human herpesvirus 2 ICP4 (Trans-acting transcriptional protein ICP4)
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## Target Details

Target:	ICP4
Target Type:	Viral Protein
Background:	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 (EI) 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

## Target Details

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phosphorylation. Only the phosphorylated forms are capable of interacting with beta or gamma genes. ICP4 belongs to the herpesviridae ICP4/IE140/IE180 family.

Synonyms: IE175 (Infected cell protein 4, Transcriptional activator IE175, Alpha-4 protein)

## Application Details

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Restrictions: For Research Use only

## Handling

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Storage: 4 °C

## Publications

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Product cited in: Dolan, Jamieson, Cunningham, Barnett, McGeoch: "The genome sequence of herpes simplex virus type 2." in: **Journal of virology**, Vol. 72, Issue 3, pp. 2010-21, (1998) ([PubMed](#)).