

## Product datasheet

### Anti-HIV1 integrase antibody [IN-2] ab66645

★★★★★ [3 Abreviews](#) [12 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-HIV1 integrase antibody [IN-2]
<b>Description</b>	Mouse monoclonal [IN-2] to HIV1 integrase
<b>Host species</b>	Mouse
<b>Specificity</b>	ab66645 is specific for bacterial HIV1 integrase (IN) protein.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human immunodeficiency virus
<b>Immunogen</b>	Recombinant full length protein corresponding to HIV1 integrase. Bacterially expressed, hexahistidine amino-terminal tagged HIV1 integrase (IN) protein (clade B, HXB-3 isolate)
<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

<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>	Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	IN-2
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab66645 in the following tested applications.

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

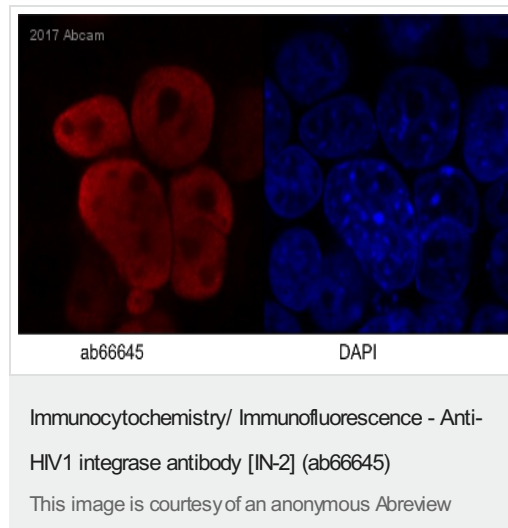
Application	Abreviews	Notes
WB	★★★★★ (1)	1/2000. Predicted molecular weight: 32 kDa.
ICC/IF	★★★★★ (1)	Use at an assay dependent dilution.
IP	★★★★★ (1)	Use at an assay dependent dilution.

## Target

### Relevance

Integrase is an enzyme, a product of the HIV1 Gag/Pol gene; the other two enzymes being reverse transcriptase and protease. The human immunodeficiency virus (HIV-1) uses an enzyme, a so-called integrase, to carry out the integration of its viral DNA into the host chromosome thereby tricking the host cell machinery into making viral proteins. The HIV-1 integrase is a protein of 32 kDa and is composed of three domains. No cellular homologue of HIV integrase has been described, so potential inhibitors to this enzyme could be relatively nontoxic.

## Images



ab66645 staining HIV1 integrase in transfected 293T by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with methanol/acetone (1:1), permeabilized with 0.1% Triton X-100 and blocked with 3% BSA for 1 hour at 22°C. Samples were incubated with primary antibody (1/1000 in PBS + 1% BSA) for 1 hour at 21°C. An Alexa Fluor® 555-conjugated Goat anti-mouse IgG polyclonal was used as the secondary antibody (1/2000).

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

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