Product datasheet

Anti-HIV1 integrase antibody [IN-2] ab66645

Overview

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

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.1% Sodium azide
Constituent: PBS
Purity: Protein G purified
Clonality: Monoclonal
Clone number: IN-2
Myeloma: Sp2/0
Isotype: IgG1
Light chain type: kappa

Applications

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.

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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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