

Product datasheet

Anti-HIV1 gp120 antibody ab106578

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-HIV1 gp120 antibody
Description	Rabbit polyclonal to HIV1 gp120
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human immunodeficiency virus
Immunogen	Recombinant fragment corresponding to HIV1 gp120. 16 amino acid peptide representing the major HIV1 consensus sequence near the N terminal region of V1/V2 loop (GenBank accession no. AAT67551).

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 (stable for up to 12 months).
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab106578 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 0.5 - 1 µg/ml. Predicted molecular weight: 120 kDa.

Target

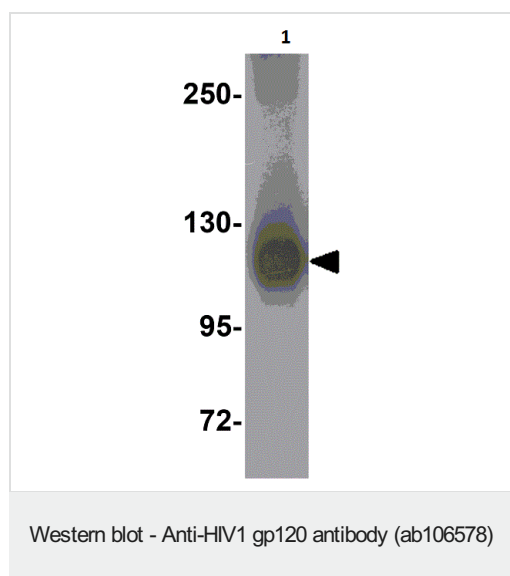
Relevance

HIV1 is equipped with the envelope gp160 glycoprotein for interaction with Langerhans cells (LCs) and dendritic cells (DCs), the members of the innate immune system, which confront the virus at the portal of virus entry in the human body. These cells are equipped with receptors by which they bind and endocytose the virus. The gp120 glycoprotein is used for binding to CD4 receptor and CCR5 co-receptor of T helper 2 (Th2) cells, and is able to induce FcεRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response.

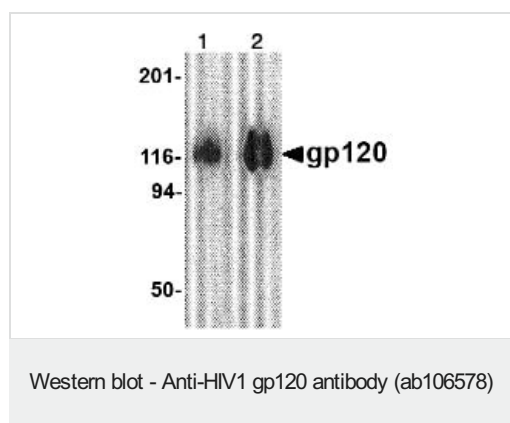
Cellular localization

Envelope surface glycoprotein.

Images



Western Blot of HIV1 gp120 (5ng) labeling HIV1 gp120 with Anti-HIV1 gp120 antibody (ab106578) at 1µg/ml.



Lane 1 : Anti-HIV1 gp120 antibody (ab106578) at 1 µg/ml

Lane 2 : Anti-HIV1 gp120 antibody (ab106578) at 2 µg/ml

All lanes : gp120 protein

Lysates/proteins at 1 µg per lane.

Predicted band size: 120 kDa

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

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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