

Product datasheet

Anti-HIV1 p55 + p24 + p17 antibody ab63917

★★★★★ [2 Abreviews](#) [30 References](#) [2 Images](#)

Overview

Product name	Anti-HIV1 p55 + p24 + p17 antibody
Description	Rabbit polyclonal to HIV1 p55 + p24 + p17
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human immunodeficiency virus
Immunogen	Recombinant protein p55 over-expressed in E.coli using a plasmid carrying the Gag p55 coding region of HIV1 virus.
Positive control	Extract of MT4 cells infected with HIV1 (LAI strain); HeLa whole cell lysate transfected with a plasmid expressing HIV1 gag.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Preservative: 0.09% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab63917 in the following tested applications.

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

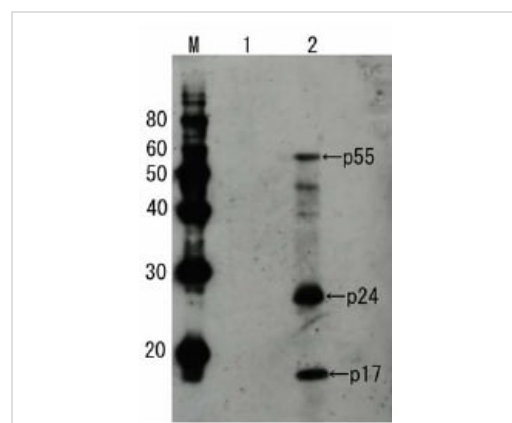
Application	Abreviews	Notes
WB	★★★★★ (2)	1/2000. Detects a band of approximately 17,24,55 kDa.
ELISA		Use at an assay dependent concentration.

Target

Relevance

HIV1 performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA. p55 is digested by HIV1 protease into intermediate products p41 and p15. p41 is further digested into matrix protein p17 and capsid protein p24. Likewise, p15 is further digested into nucleocapsid protein p7 and to p6 and p1.

Images



Western blot - Anti-HIV1 p55 + p24 + p17 antibody (ab63917)

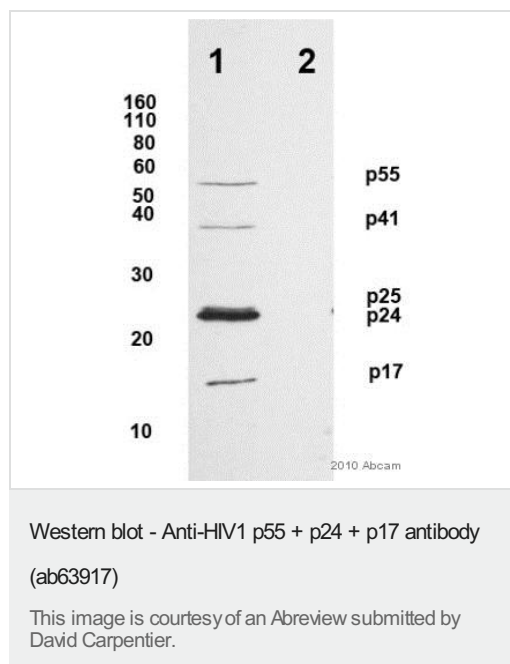
All lanes : Anti-HIV1 p55 + p24 + p17 antibody (ab63917) at 1/2000 dilution

Lane 1 : Extract of MT4 cells

Lane 2 : Extract of MT4 cells infected with HIV1 (LAI strain)

Observed band size: 17,24,55 kDa

Additional bands at: 39 kDa, 45 kDa. We are unsure as to the identity of these extra bands.



All lanes : Anti-HIV1 p55 + p24 + p17 antibody (ab63917) at 1/2000 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate transfected with a plasmid expressing HIV1 gag

Lane 2 : Untransfected HeLa whole cell lysate

Secondary

All lanes : Goat anti-rabbit IgG (whole molecule) HRP polymer at 1/50000 dilution

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

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