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Datasheet for ABIN5004725

anti-HIV-1 Gag antibody (AA 351-450) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	HIV-1 Gag (GAG_HIV)
Binding Specificity:	AA 351-450
Reactivity:	Human Immunodeficiency Virus (HIV), Virus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIV-1 Gag antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from HIV1 Nucleocapsid protein p7
Isotype:	IgG
Specificity:	This antibody will recognize the full Gag protein and Nucleocapsid protein p7 after cleavage
Cross-Reactivity:	Virus
Cross-Reactivity (Details):	HIV
Purification:	Purified by Protein A.

Target Details

Target:	HIV-1 Gag (GAG_HIV)
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Target Details

Alternative Name:	HIV1 Gag Protein (GAG_HIV Products)
Target Type:	Viral Protein
Background:	<p>Synonyms: HIV1 Pr55Gag, Human immunodeficiency virus 1, Gag protein, Nucleocapsid protein p7,</p> <p>Background: 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.</p>

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months