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Datasheet for ABIN7179348

anti-Vpx Protein (VPX) (AA 1-112) antibody (Biotin)

Overview

Quantity:	100 µg
Target:	Vpx Protein (VPX)
Binding Specificity:	AA 1-112
Reactivity:	Simian Immunodeficiency Virus (SIV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Simian immunodeficiency virus Protein Vpx protein (1-112AA)
Isotype:	IgG
Cross-Reactivity:	Simian Immunodeficiency Virus (SIV)
Purification:	>95%, Protein G purified

Target Details

Target:	Vpx Protein (VPX)
Alternative Name:	vpx (VPX Products)
Target Type:	Viral Protein
Background:	Background: Plays a role in nuclear translocation of the viral pre-integration complex (PIC), thus

Target Details

is required for the virus to infect non-dividing cells. Targets specific host proteins for degradation by the 26S proteasome. Acts by associating with the cellular CUL4A-DDB1 E3 ligase complex through direct interaction with host VPRPB/DCAF-1. This change in the E3 ligase substrate specificity results in the degradation of host SAMHD1. In turn, SAMHD1 depletion allows viral replication in host myeloid cells by preventing SAMHD1-mediated hydrolysis of intracellular dNTPs necessary for reverse transcription.

Aliases: vpx antibody, Protein Vpx antibody, Viral protein X antibody, X ORF protein antibody

UniProt: [P11266](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.