



Datasheet for ABIN6243035

## anti-APOBEC3C antibody (AA 143-177)



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### 1 Image

#### Overview

Quantity:	200 µL
Target:	APOBEC3C
Binding Specificity:	AA 143-177
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3C antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This APOBEC3C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 143-177 amino acids from human APOBEC3C.
Clone:	RB56223
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	APOBEC3C
Alternative Name:	APOBEC3C ( <a href="#">APOBEC3C Products</a> )
Background:	DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and

## Target Details

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retrotransposon mobility via deaminase-dependent and -independent mechanisms. After the penetration of retroviral nucleocapsids into target cells of infection and the initiation of reverse transcription, it can induce the conversion of cytosine to uracil in the minus-sense single-strand viral DNA, leading to G-to-A hypermutations in the subsequent plus-strand viral DNA. The resultant detrimental levels of mutations in the proviral genome, along with a deamination-independent mechanism that works prior to the proviral integration, together exert efficient antiretroviral effects in infected target cells. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double- stranded RNA. Exhibits antiviral activity against simian immunodeficiency virus (SIV), hepatitis B virus (HBV), herpes simplex virus 1 (HHV-1) and Epstein-Barr virus (EBV) and may inhibit the mobility of LTR and non-LTR retrotransposons. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation.

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Molecular Weight: 22826

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UniProt: [Q9NRW3](#)

## Application Details

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Application Notes: WB: 1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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Preservative: Sodium azide

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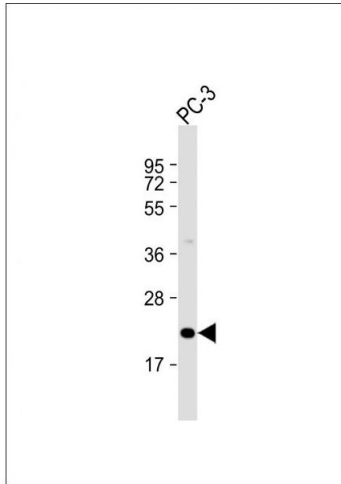
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C, -20 °C

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Expiry Date: 6 months



### Western Blotting

**Image 1.** Anti-OBEC3C Antibody (C-Term) at 1:2000 dilution + PC-3 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.