



Datasheet for ABIN7150151  
**anti-APOBEC3C antibody (AA 1-190)**



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2 Images

Overview

Quantity:	100 µL
Target:	APOBEC3C
Binding Specificity:	AA 1-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human DNA dC->dU-editing enzyme APOBEC-3C protein (1-190AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

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

## Target Details

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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.

Aliases: A3C antibody, ABC3C\_HUMAN antibody, APOBEC1 like antibody, APOBEC1-like antibody, APOBEC1L antibody, APOBEC3C antibody, Apolipoprotein B mRNA editing enzyme catalytic polypeptide like 3C antibody, ARDC2 antibody, ARDC4 antibody, ARP5 antibody, bK150C2.3 antibody, DNA dC >dU editing enzyme APOBEC 3C antibody, MGC19485 antibody, PBI antibody, Phorbolin I antibody, Phorbolin I protein antibody, Probable DNA dC dU editing enzyme APOBEC 3C antibody, Probable DNA dC->dU-editing enzyme APOBEC-3C antibody

UniProt: [Q9NRW3](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

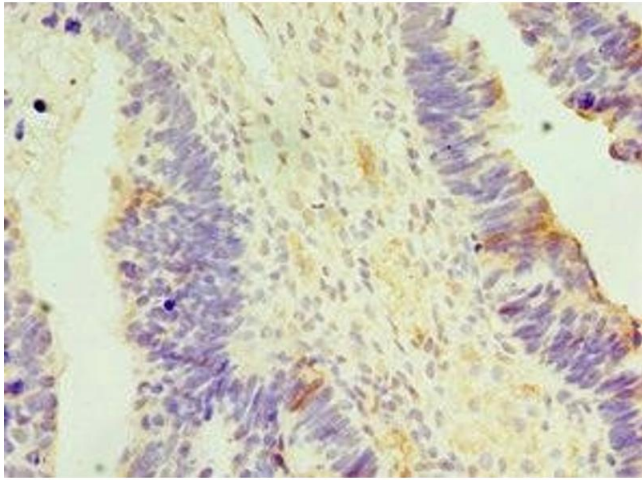
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

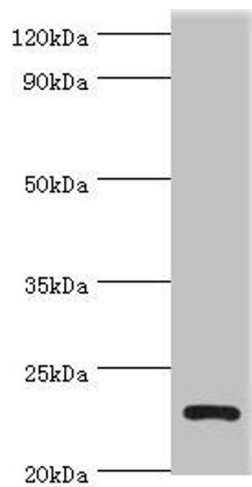
Storage: -20 °C,-80 °C

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



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7150151 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: APOBEC3C antibody at 3  $\mu$ g/mL + K562 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 23 kDa Observed band size: 23 kDa