



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:	APOBEC3C (APOBEC3C Products)
Background:	Background: DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent

Target Details

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

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

Restrictions: For Research Use only

Handling

Format: Liquid

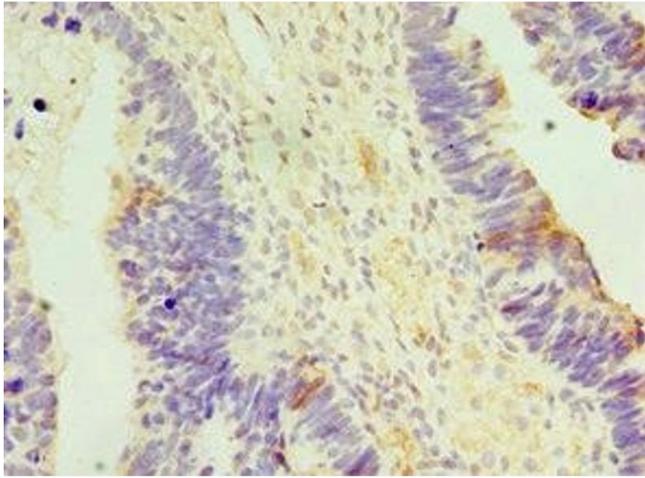
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

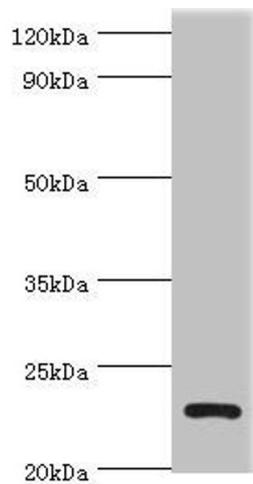
Storage: -20 °C,-80 °C

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 μ 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