

Datasheet for ABIN7150160
anti-APOBEC3G antibody (AA 1-384)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | APOBEC3G |
| Binding Specificity: | AA 1-384 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This APOBEC3G antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant Human DNA dC->dU-editing enzyme APOBEC-3G protein (1-384AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|---|
| Target: | APOBEC3G |
| Alternative Name: | APOBEC3G (APOBEC3G 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. Exhibits potent antiviral activity against vif-deficient HIV-1. 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 also against simian immunodeficiency viruses (SIVs), hepatitis B virus (HBV), equine infectious anemia virus (EIAV), xenotropic MuLV-related virus (XMRV) and simian foamy virus (SFV). May inhibit the mobility of LTR and non-LTR retrotransposons.

Aliases: A3G antibody, ABC3G_HUMAN antibody, APOBEC related cytidine deaminase antibody, APOBEC related protein antibody, APOBEC-related cytidine deaminase antibody, APOBEC-related protein 9 antibody, APOBEC-related protein antibody, APOBEC3G antibody, Apolipoprotein B editing enzyme catalytic polypeptide like 3G antibody, Apolipoprotein B mRNA editing enzyme catalytic polypeptide 3G antibody, Apolipoprotein B mRNA editing enzyme catalytic polypeptide like 3G antibody, Apolipoprotein B mRNA editing enzyme catalytic subunit 3G antibody, apolipoprotein B mRNA editing enzyme cytidine deaminase antibody, apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like antibody, ARCD antibody, ARP-9 antibody, ARP9 antibody, bK150C2.7 antibody, CEM-15 antibody, CEM15 antibody, deoxycytidine deaminase antibody, dJ494G10.1 antibody, DNA dC dU editing enzyme APOBEC 3G antibody, DNA dC->dU editing enzyme antibody, DNA dC->dU-editing enzyme APOBEC-3G antibody, EC 3.5.4. antibody, FLJ12740 antibody, MDS019 antibody, OTTHUMP00000028911 antibody, phorbolin-like protein antibody, phorbolin-like protein MDS019 antibody

UniProt: [Q9HC16](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

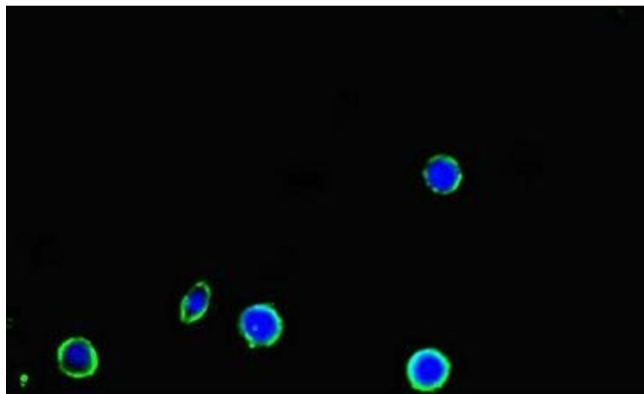
Format: Liquid

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

Handling

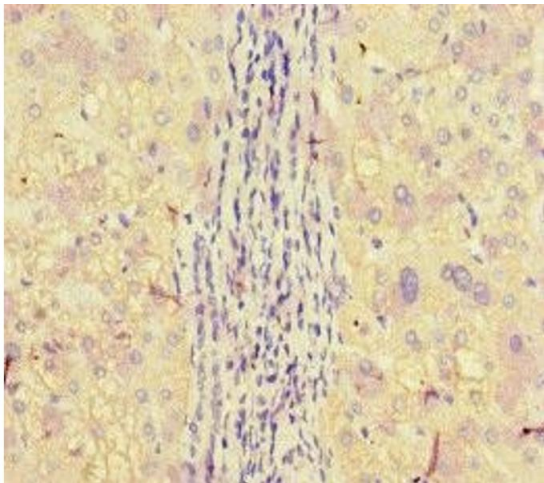
| | |
|--------------------|---|
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of MCF-7 cells using ABIN7150160 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7150160 at dilution of 1:100