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Datasheet for ABIN7150153

**anti-APOBEC3D antibody (AA 250-371) (Biotin)**

## Overview

Quantity:	100 µg
Target:	APOBEC3D
Binding Specificity:	AA 250-371
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3D antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human DNA dC->dU-editing enzyme APOBEC-3D protein (250-371AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	APOBEC3D
Alternative Name:	APOBEC3D ( <a href="#">APOBEC3D 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

mechanisms. Exhibits 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. May inhibit the mobility of LTR and non-LTR retrotransposons.

Aliases: A3D antibody, ABC3D\_HUMAN antibody, APOBEC3D antibody, APOBEC3DE antibody, APOBEC3E antibody, Apolipoprotein B mRNA editing enzyme catalytic polypeptide like 3D antibody, Apolipoprotein B mRNA editing enzyme catalytic polypeptide like 3E pseudogene antibody, ARP6 antibody, bK150C2.9 antibody, BK150C2.9 protein antibody, DNA dC >dU editing enzyme APOBEC 3D antibody, DNA dC->dU-editing enzyme APOBEC-3D antibody, hCG\_41704 antibody, HCG41704, isoform CRA\_b antibody, Probable DNA dC->dU-editing enzyme APOBEC-3D antibody

UniProt: [Q96AK3](#)

## 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.