Datasheet for ABIN7150158

anti-APOBEC3F antibody (AA 139-287) (FITC)

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Overview

Quantity:	100 µg
Target:	APOBEC3F
Binding Specificity:	AA 139-287
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3F antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human DNA dC->dU-editing enzyme APOBEC-3F protein (139-287AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	APOBEC3F
Alternative Name:	APOBEC3F (APOBEC3F 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 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 hepatitis B virus (HBV), equine infectious anemia virus (EIAV), xenotropic MuLV-related virus (XMRV) and simian foamy virus (SFV) 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: A3F antibody, ABC3F_HUMAN antibody, APOBEC3F antibody, Apolipoprotein B mRNA editing enzyme, catalytic polypeptide like 3F antibody, Apolipoprotein B mRNA-editing enzyme catalytic polypeptide-like 3F antibody, ARP8 antibody, DNA dC->dU-editing enzyme APOBEC-3F antibody, Induced upon T cell activation antibody, KA6 antibody
UniProt:	Q8IUX4

Application Details

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.