

anti- APOBEC3C antibody

Product Information

Catalog No.:	FNab00494
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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

Immunogen information

Immunogen:	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C
Synonyms:	APOBEC1L, PBI
Observed MW:	23 kDa

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UniprotID : Q9NRW3

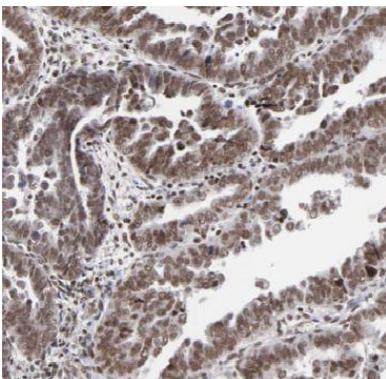
Application

Reactivity: Human

Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human ovary tumor tissue slide using FNab00494(APOBEC3C Antibody) at dilution of 1:200 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Human peripheral blood leukocyte cells were subjected to SDS PAGE followed by western blot with FNab00494(APOBEC3C Antibody) at dilution of 1:1000

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