

anti- APOBEC3G antibody

Product Information

Catalog No.:	FNab00495
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. 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.

Immunogen information

Immunogen:	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G
Synonyms:	APOBEC related protein, APOBEC related protein 9, APOBEC3G, ARCD, ARP 9, ARP9, bK150C2.7, CEM 15, CEM15, MDS019

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Observed MW: 46 kDa
Uniprot ID : Q9HC16

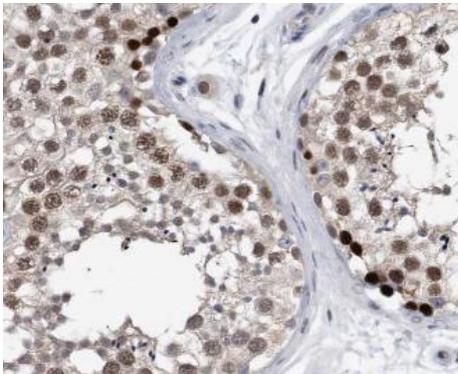
Application

Reactivity: Human, Mouse

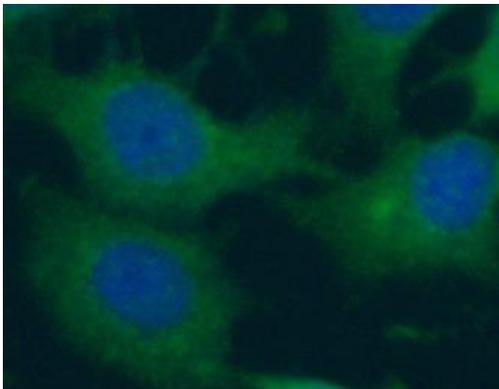
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

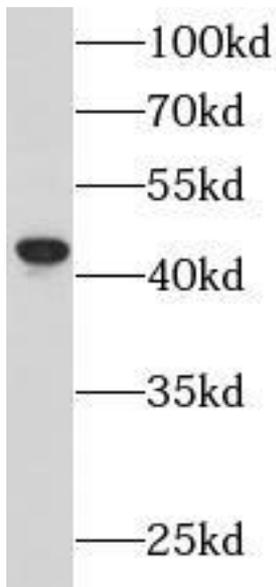
Image:



Immunohistochemistry of paraffin-embedded human testis tissue slide using FNab00495(APOBEC3G Antibody) at dilution of 1:200



Immunofluorescent analysis of MCF-7 cells using FNab00495 (APOBEC3G antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



mouse colon tissue were subjected to SDS PAGE followed by western blot with FNab00495(APOBEC3G Antibody) at dilution of 1:100