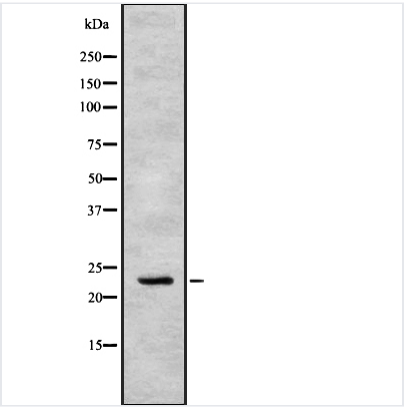
APOBEC3C Antibody

PRODUCT OVERVIEW

Product Name	APOBEC3C, Antibody
Full Product Name	APOBEC3C Antibody
Product Gene Name	anti-APOBEC3C antibody
Molecular Weight	22,826 Da
OMIM	607750
3D Structure	ModBase 3D Structure for Q9NRW3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-APOBEC3C antibody	MBS8517887 is an antibody targeting APOBEC3C. Also known as APOBEC3C Antibody.
Other Notes	Small volumes of anti-APOBEC3C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-APOBEC3C antibody
Western blot analysis APOBEC3C using COLO205 whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOBEC3C. It may not necessarily be applicable to this product.

NCBI GI #	22907039
NCBI GeneID	27350
NCBI Accession #	NP_055323.2
UniProt Primary Accession #	Q9NRW3
UniProt Secondary Accession #	Q5JZ92; Q7Z2N7; Q96F12; B2R884
UniProt Related Accession #	Q9NRW3
GenBank Nucleotide #	NM_014508.2
NCBI Official Full Name	DNA dC->dU-editing enzyme APOBEC-3C

NCBI Official Synonym Full Names	apolipoprotein B mRNA editing enzyme catalytic subunit 3C
NCBI Official Symbol	APOBEC3C
NCBI Official Synonym Symbols	A3C; PBI; ARP5; ARDC2; ARDC4; APOBEC1L; bK150C2.3
UniProt Protein Name	DNA dC->dU-editing enzyme APOBEC-3C
UniProt Synonym Protein Names	APOBEC1-like; Phorbolin I
Protein Family	DNA dC->dU-editing enzyme
UniProt Gene Name	APOBEC3C
UniProt Synonym Gene Names	APOBEC1L; PBI; A3C
NCBI Protein Information	DNA dC->dU-editing enzyme APOBEC-3C
NCBI Summary for APOBEC3C	This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. [provided by RefSeq, Jul 2008]
UniProt Comments for APOBEC3C	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.
Research Articles on APOBEC3C	**1.** Data suggest that heat shock proteins, in particular Hsp90, stimulate APOBEC3-mediated DNA deamination activity toward hepatitis B viral DNA, suggesting a potential physiological role in mutagenesis/carcinogenesis and viral innate immunity; Hsp90 stimulates deamination activity of APOBEC3G, APOBEC3B, and APOBEC3C during co-expression in human liver HepG2 cells.
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