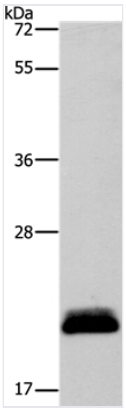
APOBEC3C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	APOBEC3C, Polyclonal Antibody
Full Product Name	APOBEC3C Antibody
Product Gene Name	anti-APOBEC3C antibody
Product Synonym Names	A3C; PBI; ARP5; ARDC2; ARDC4; APOBEC1L; bK150C2.3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.7 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total APOBEC3C protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	22,826 Da
OMIM	607750
3D Structure	ModBase 3D Structure for Q9NRW3
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C
Target Name	APOBEC3C
Product Categories/Family for anti-APOBEC3C antibody	Total protein Ab
Applications Tested/Suitable for anti-APOBEC3C antibody	Western Blot (WB)
Application Notes for anti-APOBEC3C antibody	Western blotting: 1:200-1:1000
Related Product Information for anti-APOBEC3C antibody	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.
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.
Searchable Terms for APOBEC3C purchase	MBS9401262 is an antibody targeting APOBEC3C. Also known as APOBEC3C Antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-APOBEC3C antibody
Gel: 12%SDS-PAGE Lysate: 40ug PC3 cell Primary antibody: 1/350 dilution Secondary antibody dilution: 1/8000 Exposure time: 1 minute

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 polypeptide-like 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
UniProt Entry Name	ABC3C_HUMAN
NCBI Protein Information	DNA dC->dU-editing enzyme APOBEC-3C

UniProt Comments for APOBEC3C	APOBEC3C: Host cellular restriction factor that may have antiviral activities against exogenous and endogenous viruses, as well as retrotransposons. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation. Belongs to the cytidine and deoxycytidylate deaminase family. Protein type: Hydrolase; RNA-binding; EC 3.5.4.- Chromosomal Location of Human Ortholog: 22q13.1 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; zinc ion binding; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines Biological Process: viral reproduction; negative regulation of viral genome replication; innate immune response; cytidine deamination; defense response to virus
Research Articles on APOBEC3C	**1.** Expression of APOBEC3A or 3C in 293FT cells reduced the infectivity of HPV16 pseudovirions. The reduced infectivity of virions assembled in the presence of APOBEC3A, but not 3C, was attributed to decreased copy number of the encapsidated reporter plasmid.
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