

Rabbit anti-Human, Mouse APOBEC3A Polyclonal Antibody | anti-APOBEC3A antibody

APOBEC3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322475	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

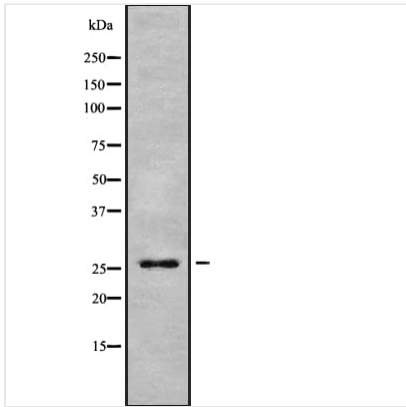
PRODUCT SYNONYMS

APOBEC3A; Polyclonal Antibody; APOBEC3A Antibody; A3A; ABC3A_HUMAN; Apolipoprotein B mRNA editing enzyme; catalytic polypeptide like 3A; ARP3; bK150C2.1; Catalytic polypeptide like 3A; Phorbolin 1; Phorbolin-1; PHRBN; Probable DNA dC > dU editing enzyme APOBEC-3A; Probable DNA dC-> dU-editing enzyme APOBEC-3A; anti-APOBEC3A antibody

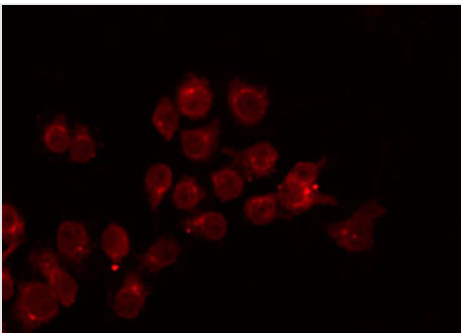
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	APOBEC3A antibody detects endogenous levels of total APOBEC3A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	199
Applicable Applications for anti-APOBEC3A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human APOBEC3A
Subcellular Location	Nucleus
Tissue Specificity	Expressed in peripheral leukocytes with higher expression in CD14-positive phagocytic cells. Highly expressed in keratinocytes and in periphery blood monocytes. Also detected in non-lymphoid tissues including lung and adipose tissues. Found at high levels in colorectal adenocarcinoma, Burkitt's lymphoma and chronic myelogenous leukemia.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of APOBEC3A using Jurkat whole cell lysates



IF (Immunofluorescence)
AAA322475 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-APOBEC3A antibody	Function: DNA deaminase (cytidine deaminase) with restriction activity against viruses, foreign DNA and mobility of retrotransposons. Exhibits antiviral activity against adeno-associated virus (AAV) and human T-cell leukemia virus type 1 (HTLV-1) and may inhibit the mobility of LTR and non-LTR retrotransposons. Selectively targets single-stranded DNA and can deaminate both methylcytosine and cytosine in foreign DNA. Can induce somatic hypermutation in the nuclear and mitochondrial DNA. May also play a role in the epigenetic regulation of gene expression through the process of active DNA demethylation. Subunit Structure: Interacts with AGO2. Interacts with TRIB3 (via N-terminus). Similarity: Belongs to the cytidine and deoxycytidylate deaminase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	300869638
NCBI GeneID	100913187
NCBI Accession #	NP_001180218.1
NCBI GenBank Nucleotide #	NM_001193289.1
UniProt Accession #	P31941; Q12807; Q5JZ93; Q9UH18; A0AVM1
Molecular Weight	Observed: 26 kDa Predicted: 24 kDa
NCBI Official Full Name	probable DNA dC->dU-editing enzyme APOBEC-3A
NCBI Official Synonym Full Names	APOBEC3A and APOBEC3B deletion hybrid
NCBI Official Symbol	APOBEC3A_B
NCBI Official Synonym Symbols	A3A; APOBEC3A
NCBI Protein Information	probable DNA dC->dU-editing enzyme APOBEC-3A
UniProt Protein Name	DNA dC->dU-editing enzyme APOBEC-3A
UniProt Gene Name	APOBEC3A
UniProt Synonym Gene Names	A3A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

