

Datasheet for ABIN6259984  
**anti-APOBEC3A antibody**



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2 Images

### Overview

Quantity:	100 µL
Target:	APOBEC3A
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

### Product Details

Immunogen:	A synthesized peptide derived from human APOBEC3A
Isotype:	IgG
Specificity:	APOBEC3A Antibody detects endogenous levels of total APOBEC3A
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	APOBEC3A
Alternative Name:	APOBEC3A ( <a href="#">APOBEC3A Products</a> )
Background:	Description: DNA deaminase (cytidine deaminase) with restriction activity against viruses,

## Target Details

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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.

Gene: APOBEC3A

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Molecular Weight: 26kDa

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Gene ID: 100, 913, 187

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UniProt: [P31941](#)

## Application Details

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Application Notes: WB 1:1000, IF/ICC 1:100-1:500

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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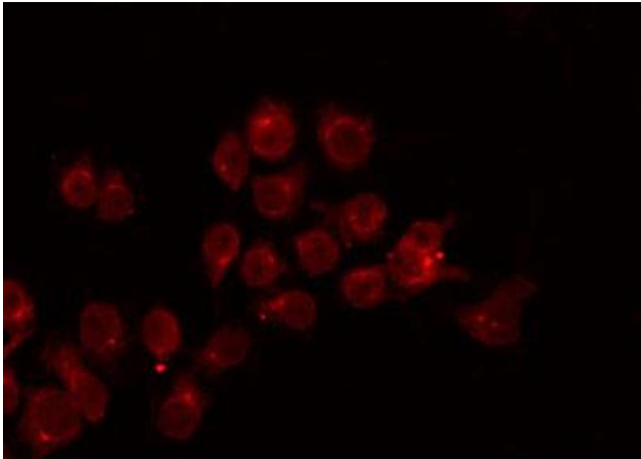
Storage: -20 °C

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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt

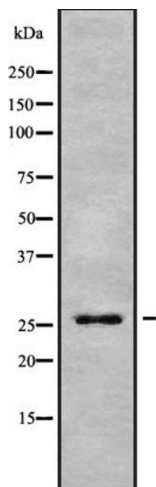
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Expiry Date: 12 months



### Immunofluorescence (fixed cells)

**Image 1.** ABIN6272242 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°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



### Western Blotting

**Image 2.** Western blot analysis of APOBEC3A using Jurkat whole cell lysates