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## Datasheet for ABIN6991981 **anti-APOBEC3B antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	APOBEC3B
Binding Specificity:	AA 20-70, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	APOBEC3B antibody was raised against a 14 amino acid peptide near the amino terminus of human APOBEC3B. The immunogen is located within amino acids 20 - 70 of APOBEC3B.
Isotype:	IgG
Specificity:	APOBEC3B antibody is human, mouse and rat reactive . At least three isoforms of APOBEC3B are known to exist, this antibody will detect all three. APOBEC3B antibody may cross-react with APOBEC3D.
Purification:	APOBEC3B antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	APOBEC3B
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## Target Details

Alternative Name:	APOBEC3B ( <a href="#">APOBEC3B Products</a> )
Background:	<p>The Apolipoprotein B mRNA-editing, enzyme-catalytic, polypeptide-like (APOBEC) 3 is a multi-isoform member of the cytosine deaminase family of enzymes that act on monomeric nucleoside and nucleotide substrates (1). Similar to TRIM5<math>\beta</math> which targets incoming retroviral capsids, APOBEC3 plays a major role in cellular defense against retroviral infection (2,3). APOBEC3B has also been shown to be upregulated in several cancers, it is thought that APOBEC3B-catalyzed genomic uracil lesions are responsible for a large proportion of mutations in multiple distinct cancers (4).</p>
Molecular Weight:	<p>Predicted: 42 kDa</p> <p>Observed: 48 kDa</p>
Gene ID:	9582
NCBI Accession:	<a href="#">NP_004891</a>
UniProt:	<a href="#">Q9UH17</a>

## Application Details

Application Notes:	<p>APOBEC3B antibody can be used for detection of APOBEC3B by Western blot at 1 - 2 <math>\mu</math>g/mL. Antibody can also be used for Immunohistochemistry at 5 <math>\mu</math>g/mL. For Immunofluorescence start at 20 <math>\mu</math>g/mL.</p> <p>Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	APOBEC3B Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage: -20 °C, 4 °C

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Storage Comment: APOBEC3B antibody can be stored at 4°C for three months and -20°C, stable for up to one year.