

Datasheet for ABIN2777995

## anti-APOBEC3G antibody (N-Term)



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1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	APOBEC3G
Binding Specificity:	N-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3G antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human APOBEC3G
Sequence:	AKIFRGQVYS ELKYHPEMRF FHWFSKWRKL HRDQEYEVTV YISWSPCTKC
Predicted Reactivity:	Human: 100%, Pig: 79%
Characteristics:	This is a rabbit polyclonal antibody against APOBEC3G. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

### Target Details

Target:	APOBEC3G
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## Target Details

Alternative Name:	APOBEC3G ( <a href="#">APOBEC3G Products</a> )
Background:	<p>Anti-APOBEC3G 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. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.</p> <p>Alias Symbols: ARCD, ARP9, ARP-9, CEM15, CEM-15, MDS019, bK150C2.7, dJ494G10.1</p> <p>Protein Interaction Partner: vpr, vif, UNG1, APP, UBC, CBFB, APOBEC3G, HSPA4, gag, PTN, PRKACA, UBA52,</p> <p>Protein Size: 384</p>
Molecular Weight:	46 kDa
Gene ID:	60489
NCBI Accession:	<a href="#">NM_021822</a> , <a href="#">NP_068594</a>
UniProt:	<a href="#">Q9HC16</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 384 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 Advice:	Avoid repeated freeze-thaw cycles.

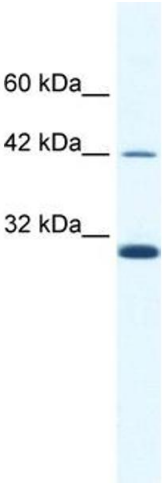
## Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Chen, Wang, Huang, Gong: "Interferon-alpha induces high expression of APOBEC3G and STAT-1 in vitro and in vivo." in: <b>International journal of molecular sciences</b> , Vol. 11, Issue 9, pp. 3501-12, (2010) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-APOBEC3G Antibody Titration: 2.5 ug/ml Positive Control: Daudi APOBEC3G is strongly supported by BioGPS gene expression data to be expressed in Human Daudi cells