

Product Name: APOBEC3A Rabbit Polyclonal Antibody**Catalog #: APRab07023**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	26kDa

Antigen Information

Gene Name	APOBEC3A
Alternative Names	APOBEC3A; Probable DNA dC->dU-editing enzyme APOBEC-3A; Phorbolin-1
Gene ID	200315.0
SwissProt ID	P31941
Immunogen	The antiserum was produced against synthesized peptide derived from human APOBEC3A. AA range:27-76

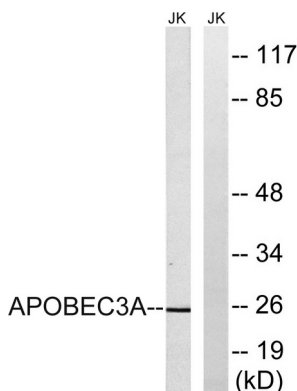
Background

This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a

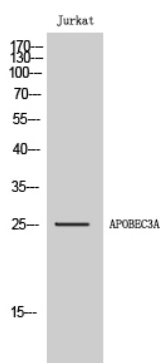
cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. The protein encoded by this gene lacks the zinc binding activity of other family members. The protein plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. Two transcript variants encoding different isoforms have been found for this gene. [provided bcofactor:Zinc.,function:Lacks cytidine deaminase activity, at least on RNA molecules (monomeric nucleoside substrates or synthetic apoB RNA template). Unable to reduce HIV-1 infectivity in vitro.,miscellaneous:It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22.,similarity:Belongs to the cytidine and deoxycytidylate deaminase family.,tissue specificity:Expressed in peripheral leukocytes and keratinocytes.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat cells, using APOBEC3A Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using APOBEC3A Polyclonal Antibody