

APOBEC3A rabbit pAb**Cat#: orb767974 (Manual)**

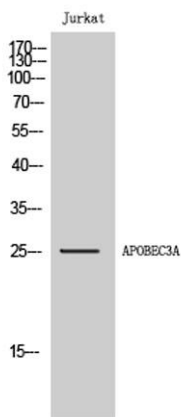
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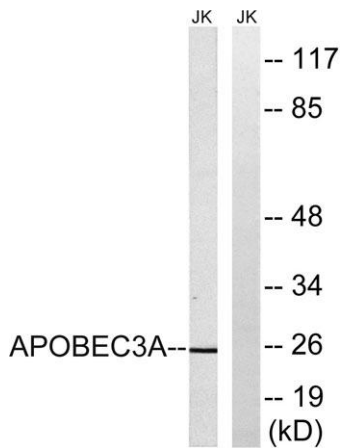
Product Name	APOBEC3A rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human APOBEC3A. AA range:27-76
Specificity	APOBEC3A Polyclonal Antibody detects endogenous levels of APOBEC3A protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Probable DNA dC->dU-editing enzyme APOBEC-3A
Gene Name	APOBEC3A
Cellular localization	Nucleus. Cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	26kD
Human Gene ID	200315
Human Swiss-Prot Number	P31941
Alternative Names	APOBEC3A; Probable DNA dC->dU-editing enzyme APOBEC-3A; Phorbolin-1

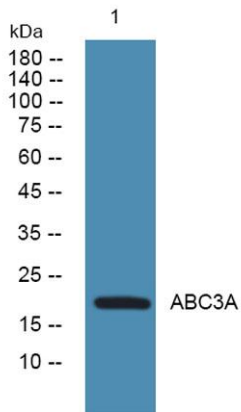
Background

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 b

**Western Blot analysis of Jurkat cells using APOBEC3A Polyclonal Antibody**



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 lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night