



# APOBEC3A Monoclonal Antibody

<b>Catalog No</b>	BYmab-01534
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	APOBEC3A
<b>Protein Name</b>	Probable DNA dC->dU-editing enzyme APOBEC-3A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human APOBEC3A. AA range:27-76
<b>Specificity</b>	APOBEC3A Monoclonal Antibody detects endogenous levels of APOBEC3A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	APOBEC3A; Probable DNA dC->dU-editing enzyme APOBEC-3A; Phorbolin-1
<b>Observed Band</b>	26kD
<b>Cell Pathway</b>	Nucleus. Cytoplasm.
<b>Tissue Specificity</b>	Expressed in peripheral leukocytes with higher expression in CD14-positive phagocytic cells. Highly expressed in keratinocytes and in periphery blood monocytes. Also detected in non-lymphoid tissues including lung and adipose tissues. Found at high levels in colorectal adenocarcinoma, Burkitt's lymphoma and chronic myelogenous leukemia.
<b>Function</b>	cofactor: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.,

**Nanjing BYabscience technology Co.,Ltd**



## 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

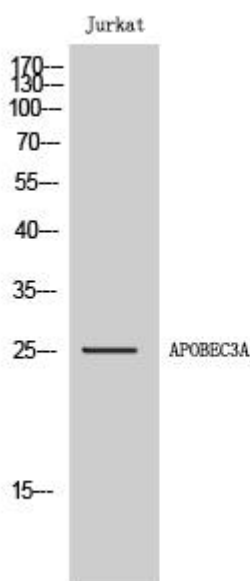
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using  
APOBEC3A Monoclonal Antibody