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APOBEC3B Antibody (C-term)

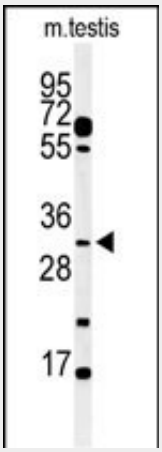
Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1353a

Specification

APOBEC3B Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UH17
Other Accession	P31941
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**299-330**



Western blot analysis of hAPOBEC3B(Cat. #AP1353a) in mouse testis tissue lysates (35ug/lane). APOBEC3B (arrow) was detected using the purified Pab.

APOBEC3B Antibody (C-term) - Additional Information

Gene ID 9582

Other Names
DNA dC->dU-editing enzyme APOBEC-3B, A3B, 354-, Phorbolin-1-related protein, Phorbolin-2/3, APOBEC3B

Target/Specificity
This APOBEC3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 299-330 amino acids from the C-terminal region of human APOBEC3B.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
APOBEC3B Antibody (C-term) is for research

use only and not for use in diagnostic or therapeutic procedures.

APOBEC3B Antibody (C-term) - Protein Information

Name APOBEC3B

Function
DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase- dependent and -independent mechanisms. After the penetration of retroviral nucleocapsids into target cells of infection and the initiation of reverse transcription, it can induce the conversion of cytosine to uracil in the minus-sense single-strand viral DNA, leading to G-to-A hypermutations in the subsequent plus-strand viral DNA. The resultant detrimental levels of mutations in the proviral genome, along with a deamination-independent mechanism that works prior to the proviral integration, together exert efficient antiretroviral effects in infected target cells. Selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single- or double-stranded RNA. Exhibits antiviral activity against simian immunodeficiency virus (SIV), hepatitis B virus (HBV) and human T-cell leukemia virus type 1 (HTLV-1) and may inhibit the mobility of LTR and non-LTR retrotransposons.

Cellular Location
Nucleus

Tissue Location
Expressed at high and moderate levels in peripheral blood leukocytes, spleen, testes, heart, thymus, prostate and ovary Also expressed at low levels in several other tissues

APOBEC3B Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APOBEC3B Antibody (C-term) - Citations

- APOBEC3B: A Potential Factor Suppressing Growth of Human Hepatocellular Carcinoma Cells.