

APOBEC3D (aa61-74) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3537a**Specification**

APOBEC3D (aa61-74) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O96AK3
Other Accession	NP_689639.2 , 140564
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	46598

APOBEC3D (aa61-74) Antibody (internal region) - Additional Information**Gene ID** 140564**Other Names**

DNA dC->dU-editing enzyme APOBEC-3D, A3D, 3.5.4.-, APOBEC3D

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

APOBEC3D (aa61-74) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

APOBEC3D (aa61-74) Antibody (internal region) - Protein Information**Name** APOBEC3D ([HGNC:17354](#))**Function**

DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase- dependent and -independent mechanisms (PubMed:16920826, PubMed:20062055, PubMed:20062055)

<http://www.uniprot.org/citations/21835787> target="_blank">21835787). Exhibits antiviral activity against HIV-1. 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 (PubMed:16920826). 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. Also inhibits the mobility of LTR and non-LTR retrotransposons (PubMed:27428332).

Cellular Location

Cytoplasm. Cytoplasm, P-body

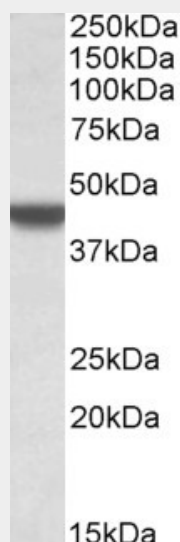
Tissue Location

Expressed in lymphoid organs. Also detected in non- lymphoid tissues including lung.

APOBEC3D (aa61-74) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APOBEC3D (aa61-74) Antibody (internal region) - Images

AF3537a (0.3 µg/ml) staining of A549 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

APOBEC3D (aa61-74) Antibody (internal region) - References

APOBEC3B and APOBEC3F inhibit L1 retrotransposition by a DNA deamination-independent mechanism. Stenglein MD, Harris RS. J Biol Chem. 2006 Jun 23;281(25):16837-41. PMID: 16648136