

CEM15 / APOBEC3G Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13092**Specification**

CEM15 / APOBEC3G Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	O9HC16
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	46kDa KDa

CEM15 / APOBEC3G Antibody (C-Terminus) - Additional Information**Gene ID** 60489**Other Names**

DNA dC->dU-editing enzyme APOBEC-3G, 3.5.4.-, APOBEC-related cytidine deaminase, APOBEC-related protein, ARCD, APOBEC-related protein 9, ARP-9, CEM-15, CEM15, Deoxycytidine deaminase, A3G, APOBEC3G

Target/Specificity

Human APOBEC3G.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

CEM15 / APOBEC3G Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CEM15 / APOBEC3G Antibody (C-Terminus) - Protein Information**Name** APOBEC3G**Function**

DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase- dependent and -independent mechanisms. Exhibits potent antiviral activity against Vif-deficient 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. 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 also against simian immunodeficiency viruses (SIVs), hepatitis B virus (HBV), equine infectious anemia virus (EIAV), xenotropic MuLV-related

virus (XMRV) and simian foamy virus (SFV). May inhibit the mobility of LTR and non-LTR retrotransposons.

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, P-body. Note=Mainly cytoplasmic. Small amount are found in the nucleus. During HIV-1 infection, virion-encapsidated in absence of HIV-1 Vif

Tissue Location

Expressed in spleen, testes, ovary and peripheral blood leukocytes and CD4+ lymphocytes. Also expressed in non-permissive peripheral blood mononuclear cells, and several tumor cell lines; no expression detected in permissive lymphoid and non-lymphoid cell lines Exists only in the LMM form in peripheral blood-derived resting CD4 T- cells and monocytes, both of which are refractory to HIV-1 infection LMM is converted to a HMM complex when resting CD4 T-cells are activated or when monocytes are induced to differentiate into macrophages. This change correlates with increased susceptibility of these cells to HIV-1 infection.

CEM15 / APOBEC3G Antibody (C-Terminus) - Protocols

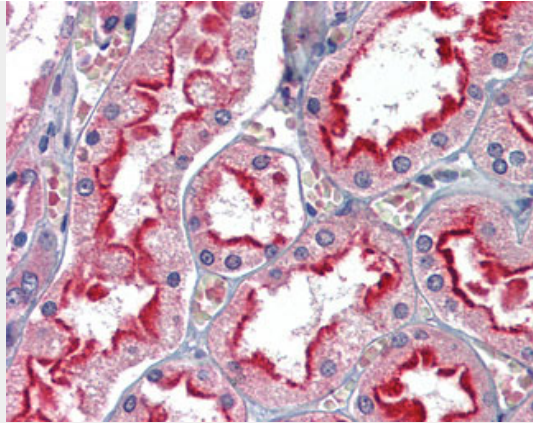
Provided below are standard protocols that you may find useful for product applications.

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

CEM15 / APOBEC3G Antibody (C-Terminus) - Images



Antibody (0.5 ug/ml) staining of Daudi lysate (35 ug protein in RIPA buffer).



Anti-APOBEC3G antibody IHC of human kidney.

CEM15 / APOBEC3G Antibody (C-Terminus) - Background

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CEM15 / APOBEC3G Antibody (C-Terminus) - References

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