

ARG64741 anti-APOBEC3G antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes APOBEC3G
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	APOBEC3G
Species	Human
Immunogen	C-DEHSQDLSGRLR
Conjugation	Un-conjugated
Alternate Names	ARP-9; APOBEC-related cytidine deaminase; Deoxycytidine deaminase; APOBEC-related protein; dJ494G10.1; DNA dC->dU-editing enzyme APOBEC-3G; CEM-15; CEM15; ARCD; ARP9; APOBEC-related protein 9; EC 3.5.4.-; A3G; bK150C2.7; MDS019

Application Instructions

Application table	Application	Dilution
	IHC-P	2.5 µg/ml
	WB	0.5 - 1.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 60489 Human](#)

[Swiss-port # Q9HC16 Human](#)

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. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity. [provided by RefSeq, Jul 2008]

Research Area

Gene Regulation antibody; Immune System antibody; Microbiology and Infectious Disease antibody

Calculated Mw

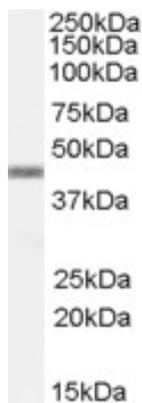
46 kDa

PTM

Ubiquitinated in the presence of HIV-1 VIF. Association with VIF targets the protein for proteolysis by the ubiquitin-dependent proteasome pathway.

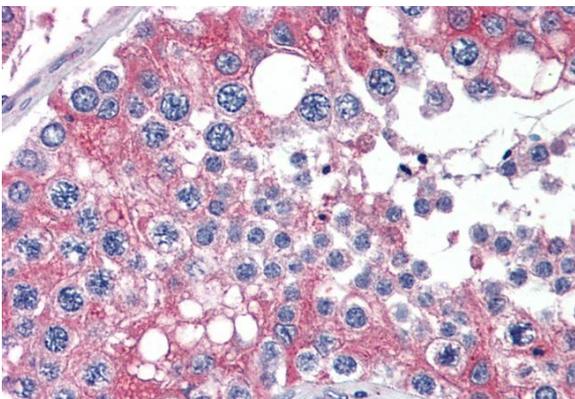
Phosphorylation at Thr-32 reduces its binding to HIV-1 VIF and subsequent ubiquitination and degradation thus promoting its antiviral activity.

Images



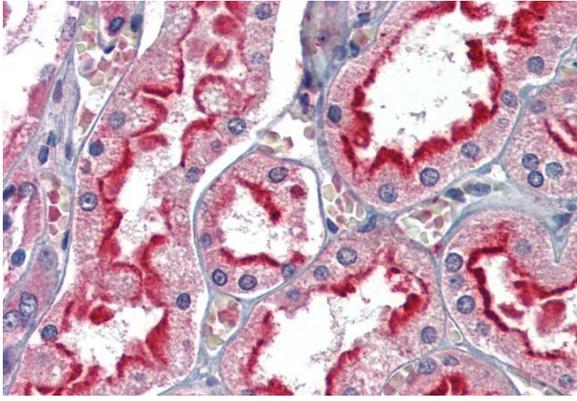
ARG64741 anti-APOBEC3G antibody WB image

Western Blot: Daudi lysate (35µg protein in RIPA buffer) stained with ARG64741 anti-APOBEC3G antibody (0.5µg/ml)



ARG64741 anti-APOBEC3G antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64741 anti-APOBEC3G antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64741 anti-APOBEC3G antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64741 anti-APOBEC3G antibody at 2.5 µg/ml dilution followed by AP-staining.