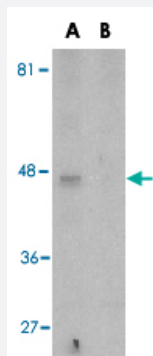


APOBEC3G polyclonal antibody

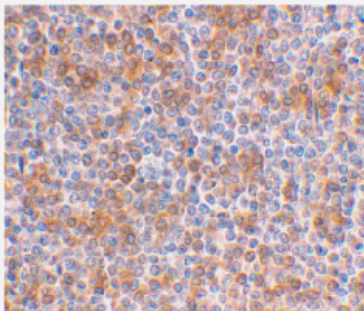
Catalog # PAB12912 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of APOBEC3G expression in Caco-2 cell lysate in the (A), absence and (B) presence of blocking peptide with APOBEC3G polyclonal antibody (Cat # PAB12912) at 5 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human spleen using APOBEC3G polyclonal antibody (Cat # PAB12912) at 1 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of APOBEC3G.
Immunogen	A synthetic peptide corresponding to N-terminus 15 amino acids of human APOBEC3G.
Host	Rabbit
Reactivity	Human
Specificity	APOBEC3G antibody will also detect the APOBEC3F isoform.
Form	Liquid

Recommend Usage	Western Blot (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of APOBEC3G expression in Caco-2 cell lysate in the (A), absence and (B) presence of blocking peptide with APOBEC3G polyclonal antibody (Cat # PAB12912) at 5 ug/mL .

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Immunohistochemical staining of human spleen using APOBEC3G polyclonal antibody (Cat # PAB12912) at 1 ug/mL .

Gene Info — APOBEC3G

Entrez GeneID	60489
Protein Accession#	NP_068594
Gene Name	APOBEC3G
Gene Alias	ARP9, CEM15, FLJ12740, MDS019, bK150C2.7, dJ494G10.1
Gene Description	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G
Omim ID	607113
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	DNA dC->dU editing enzyme OTTHUMP00000028911 phorbolin-like protein MDS019

Publication Reference

- [Intrinsic immunity: a front-line defense against viral attack.](#)

Bieniasz PD.

Nature Immunology 2004 Nov; 5(11):1109.

Application: IHC, WB, Human, Mammalian cells

- [Isolation of a human gene that inhibits HIV-1 infection and is suppressed by the viral Vif protein.](#)

Sheehy AM, Gaddis NC, Choi JD, Malim MH.

Nature 2002 Aug; 418(6898):646.

- [An anthropoid-specific locus of orphan C to U RNA-editing enzymes on chromosome 22.](#)

Jarmuz A, Chester A, Bayliss J, Gisbourne J, Dunham I, Scott J, Navaratnam N.

Genomics 2002 Mar; 79(3):285.

Pathway

- [Atrazine degradation](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Liver Cirrhosis](#)