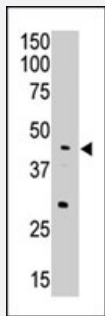


APOBEC3G polyclonal antibody

Catalog # PAB2470

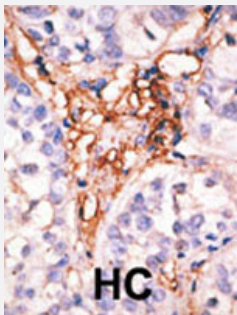
Size 400 uL

Applications



Western Blot (Cell lysate)

The APOBEC3G polyclonal antibody (Cat # PAB2470) is used in Western blot to detect APOBEC3G in A-549 cell lysate.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with the APOBEC3G polyclonal antibody (Cat # PAB2470), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of APOBEC3G.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human APOBEC3G.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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)

The APOBEC3G polyclonal antibody (Cat # PAB2470) is used in Western blot to detect APOBEC3G in A-549 cell lysate.

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Gene Info — APOBEC3G

Entrez GeneID	60489
Protein Accession#	AAG14956
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]

Publication Reference

- [The human immunodeficiency virus type 1 Vif protein reduces intracellular expression and inhibits packaging of APOBEC3G \(CEM15\), a cellular inhibitor of virus infectivity.](#)

Kao S, Khan MA, Miyagi E, Plishka R, Buckler-White A, Strebel K.

Journal of Virology 2003 Nov; 77(21):11398.

- [HIV-1 Vif blocks the antiviral activity of APOBEC3G by impairing both its translation and intracellular stability.](#)

Stopak K, de Noronha C, Yonemoto W, Greene WC.

Molecular Cell 2003 Sep; 12(3):591.

- [Broad antiretroviral defence by human APOBEC3G through lethal editing of nascent reverse transcripts.](#)

Mangeat B, Turelli P, Caron G, Friedli M, Perrin L, Trono D.

Nature 2003 Jul; 424(6944):99.

Pathway

- [Atrazine degradation](#)

Disease

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