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Datasheet

APOBEC3G polyclonal antibody

Catalog Number: PAB11417

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised against synthetic peptide of APOBEC3G.

Immunogen: A synthetic peptide corresponding to human APOBEC3G.

Sequence: C-DEHSQDLSGRLR

Host: Goat

Theoretical MW (kDa): 46.4

Reactivity: Human

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Antigen affinity purification

Concentration: 0.5 mg/mL

Recommend Usage: ELISA (1:16000)
Western Blot (0.5-1.5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 60489

Gene Symbol: APOBEC3G

Gene Alias: ARP9, CEM15, FLJ12740, MDS019, bK150C2.7, dJ494G10.1

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]

References:

1. Resistance of human T cell leukemia virus type 1 to APOBEC3G restriction is mediated by elements in nucleocapsid. Derse D, Hill SA, Princler G, Lloyd P, Heidecker G. Proc Natl Acad Sci U S A. 2007 Feb 20;104(8):2915-20. Epub 2007 Feb 13.