



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	Anti-Human APOBEC3G C-terminal Polyclonal
<b>Catalog Number:</b>	10201
<b>Lot Number:</b>	150286
<b>Provided:</b>	200 µL unpurified antiserum
<b>Host:</b>	Rabbit
<b>Titer:</b>	Crude rabbit antiserum which works well for immunoprecipitation and western blotting. Recommended starting dilution for western blots is 1:1000.
<b>Description:</b>	This antiserum recognizes human APOBEC3G. The antigen used for the immunization was a C-terminal peptide representing the last 29 amino acids of human APOBEC3G, coupled to a hapten.
<b>Special Characteristics:</b>	This polyclonal antibody recognizes APOBEC3G in human PBMCs and cross reacts with human APOBEC3A. Human APOBEC3G is present in H9 cells, but not in COS-1 cells.
<b>Recommended Storage:</b>	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Dr. Jaisri Lingappa
<b>References:</b>	Newman EN, Holmes RK, Craig HM, Klein KC, Lingappa JR, Malim MH, Sheehy AM. Antiviral function of APOBEC3G can be dissociated from cytidine deaminase activity. <i>Curr Biol.</i> Jan 26;15(2):166-70. 2005.  Thielen BK, Klein KC, Walker LW, Rieck M, Buckner JH, Tomblinson GW, Lingappa JR. T cells contain an RNase-insensitive inhibitor of APOBEC3G deaminase activity. <i>PLoS Pathog.</i> Sep 21;3(9):1320-34. 2007.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Thielen BK, McNevin JP, McElrath MJ, Hunt BV, Klein KC, Lingappa JR. Innate immune signaling induces high levels of TC-specific deaminase activity in primary monocytes-derived cells through expression of APOBEC3A isoforms. J Biol Chem 285: 27753-27766, 2010.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human APOBEC3G C-terminal Polyclonal from Dr. Jaisri Lingappa."

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact University of Washington, Department of Technical Transfer at email address [uwinvent@u.washington.edu](mailto:uwinvent@u.washington.edu) and specify in the email the name of the reagent and a description of the intended use of the reagent.**

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