





# Anti-APOBEC3G/A3G antibody ab109727

**1 References** [画像数 3](#)

### 製品の概要

製品名	Anti-APOBEC3G/A3G antibody
製品の詳細	Goat polyclonal to APOBEC3G/A3G
由来種	Goat
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Cynomolgus monkey 
免疫原	Synthetic peptide corresponding to Human APOBEC3G/A3G aa 350-450 (C terminal).  <b>Run BLAST with</b>  <b>Run BLAST with</b> 
ポジティブ・コントロール	Daudi cell lysate, Human kidney and Human testis tissues
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

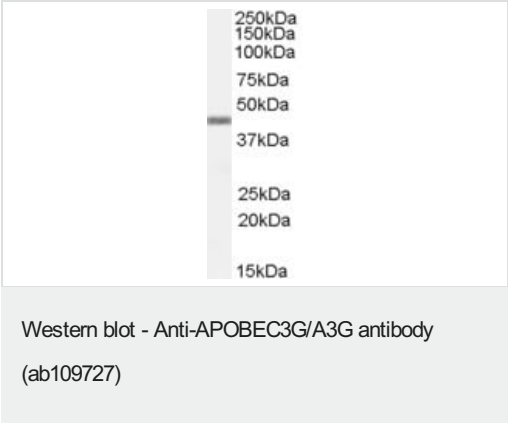
**The Abpromise guarantee**      Abpromise保証は、 次のテスト済みアプリケーションにおけるab109727の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 1.5 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 46 kDa).
IHC-P		Use a concentration of 2.5 µg/ml.

ターゲット情報

機能	DNA deaminase (cytidine deaminase) that mediates a form of innate resistance to retroviral infections (at least to HIV-1 infection) by triggering G-to-A hypermutation in the newly synthesized viral DNA. The replacements C-to-U in the minus strand DNA of HIV-1 during reverse transcription, leads to G-to-A transitions in the plus strand. The inhibition of viral replication is either due to the degradation of the minus strand before its integration or to the lethality of the hypermutations. Modification of both DNA strands is not excluded. This antiviral activity is neutralized by the virion infectivity factor (VIF), that prevents the incorporation of APOBEC3G into progeny HIV-1 virions by both inhibiting its translation and/or by inducing its ubiquitination and subsequent degradation by the 26S proteasome. APOBEC3G binds a variety of RNAs, but does not display detectable APOB, NF1 and NAT1 mRNA editing.
組織特異性	Expressed in spleen, testes, ovary and peripheral blood leukocytes and CD4+ lymphocytes. Also expressed in non-permissive peripheral blood mononuclear cells, and several tumor cell lines; no expression detected in permissive lymphoid and non-lymphoid cell lines.
配列類似性	Belongs to the cytidine and deoxycytidylate deaminase family.
翻訳後修飾	Ubiquitinated in the presence of HIV-1 VIF. Association with VIF targets the protein for proteolysis by the ubiquitin-dependent proteasome pathway.
細胞内局在	Cytoplasm. Nucleus. Mainly cytoplasmic. Small amount are found in the nucleus. During HIV-1 infection, virion-encapsidated in absence of HIV-1 VIF.

画像

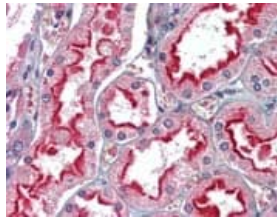


Anti-APOBEC3G/A3G antibody (ab109727) at 0.5 µg/ml + Daudi cell lysate (in RIPA buffer) at 35 µg/ml

Developed using the ECL technique.

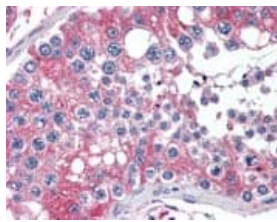
**Predicted band size:** 46 kDa

Primary incubation was 1 hour



ab109727 at a concentration of 2.5 µg/ml staining APOBEC3G/A3G in Human Kidney, Formalin-Fixed, Paraffin-Embedded section.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APOBEC3G/A3G antibody (ab109727)



ab109727 at a concentration of 2.5 µg/ml staining APOBEC3G/A3G in Human Testis, Formalin-Fixed, Paraffin-Embedded section.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-APOBEC3G/A3G antibody (ab109727)

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