

Anti-APOBEC3G/A3G antibody ab194581

1 References **1 图像**

概述

产品名称	Anti-APOBEC3G/A3G抗体
描述	兔多克隆抗体to APOBEC3G/A3G
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Rat, Human 预测可用于: Gorilla 
免疫原	Recombinant fragment corresponding to Human APOBEC3G/A3G aa 50-350. Database link: Q9HC16 <div>  Run BLAST with  Run BLAST with </div>
阳性对照	WB: A-549, Jurkat, HeLa and PC-3 cell lysates; Rat lung and spleen tissue lysates.
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab194581于以下的经测试应用

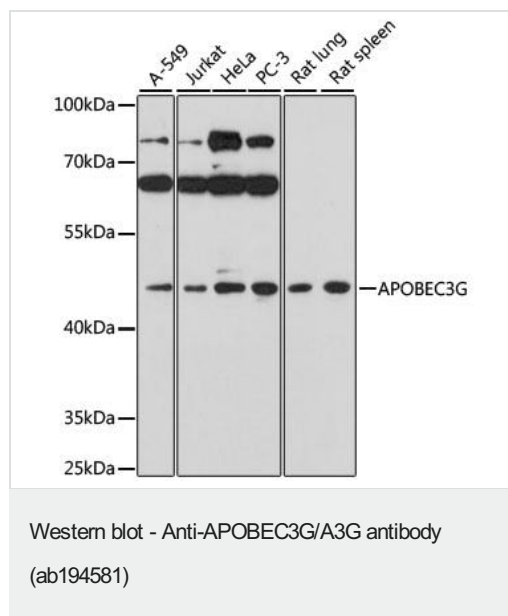
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/2000. Predicted molecular weight: 46 kDa.

靶标

功能	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.
组织特异性	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.
序列相似性	Belongs to the cytidine and deoxycytidylate deaminase family.
翻译后修饰	Ubiquitinated in the presence of HIV-1 VIF. Association with VIF targets the protein for proteolysis by the ubiquitin-dependent proteasome pathway.
细胞定位	Cytoplasm. Nucleus. Mainly cytoplasmic. Small amount are found in the nucleus. During HIV-1 infection, virion-encapsidated in absence of HIV-1 VIF.

图片



All lanes : Anti-APOBEC3G/A3G antibody (ab194581) at 1/1000 dilution

Lane 1 : A-549 cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : PC-3 cell lysate

Lane 5 : Rat lung tissue lysate

Lane 6 : Rat spleen tissue lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : HRP Goat Anti-Rabbit IgG (H+L)

Developed using the ECL technique.

Predicted band size: 46 kDa

Exposure time: 3 minutes

Blocking buffer: 3% nonfat dry milk in TBST.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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