

Anti-ADAR1 antibody ab97640

★★★★★ [1 Abreviews](#) [3 图像](#)

概述

产品名称	Anti-ADAR1抗体
描述	兔多克隆抗体to ADAR1
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment corresponding to a region within amino acids 522-727 of Human ADAR1 (NP_001102).
阳性对照	A431, HeLa and NIH 3T3 whole cell lysates; HeLa cells; H1299 and HepG2 cell lines

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 1X PBS, pH 7.0
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ab97640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		1/1000. Predicted molecular weight: 136 kDa.
ICC/IF		1/200.

靶标

功能

Converts multiple adenosines to inosines and creates I/U mismatched base pairs in double-helical RNA substrates without apparent sequence specificity. Has been found to modify more frequently adenosines in AU-rich regions, probably due to the relative ease of melting A/U base pairs as compared to G/C pairs. Functions to modify viral RNA genomes and may be responsible for hypermutation of certain negative-stranded viruses. Edits the messenger RNAs for glutamate receptor (GLUR) subunits by site-selective adenosine deamination. Produces low-level editing at the GLUR-B Q/R site, but edits efficiently at the R/G site and HOTSPOT1. Binds to short interfering RNAs (siRNA) without editing them and suppresses siRNA-mediated RNA interference. Binds to ILF3/NF90 and up-regulates ILF3-mediated gene expression.

组织特异性

Ubiquitously expressed, highest levels were found in brain and lung.

疾病相关

Defects in ADAR are a cause of dyschromatosis symmetrical hereditaria (DSH) [MIM:127400]; also known as reticulate acropigmentation of Dohi. DSH is a pigmentary genodermatosis of autosomal dominant inheritance characterized by a mixture of hyperpigmented and hypopigmented macules distributed on the dorsal parts of the hands and feet.

序列相似性

Contains 1 A to I editase domain.

Contains 2 DRADA repeats.

Contains 3 DRBM (double-stranded RNA-binding) domains.

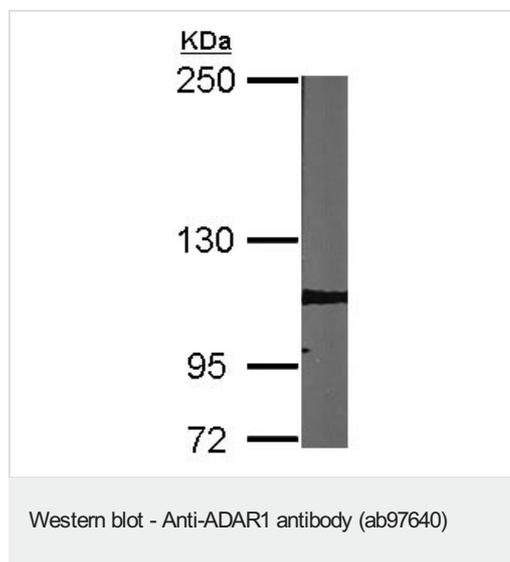
翻译后修饰

Sumoylation reduces RNA-editing activity.

细胞定位

Cytoplasm. Nucleus > nucleolus. Isoform 1 is found predominantly in cytoplasm but appears to shuttle between the cytoplasm and nucleus. Isoform 5 is found exclusively in the nucleolus.

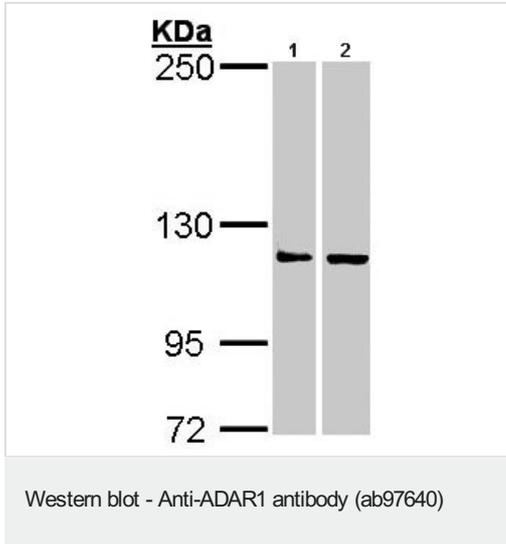
图片



Anti-ADAR1 antibody (ab97640) at 1/1000 dilution + NIH 3T3 whole cell lysate at 30 µg

Predicted band size: 136 kDa

5% SDS-PAGE



All lanes : Anti-ADAR1 antibody (ab97640) at 1/1000 dilution

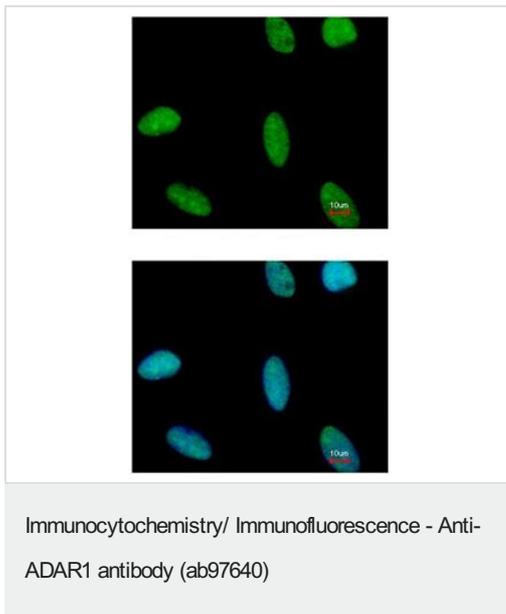
Lane 1 : A431 whole cell lysate

Lane 2 : HeLa whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 136 kDa

5% SDS-PAGE



ab97640, at a 1/200 dilution, staining ADAR1 in paraformaldehyde fixed HeLa cells by Immunofluorescence. Lower image is merged with DNA probe.

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