

### Anti-ADA antibody ab226395

#### 2 图像

#### 概述

产品名称	Anti-ADA抗体
描述	兔多克隆抗体to ADA
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human ADA aa 1-50. The exact sequence is proprietary. Database link: <a href="#">P00813</a>
阳性对照	WB: Jurkat whole cell lysate. IP: Jurkat whole cell lysate.
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&amp;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 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
纯度	pH 7 to 8 Immunogen affinity purified
纯化说明	ab226395 was affinity purified using an epitope specific to ADA immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab226395于以下的经测试应用

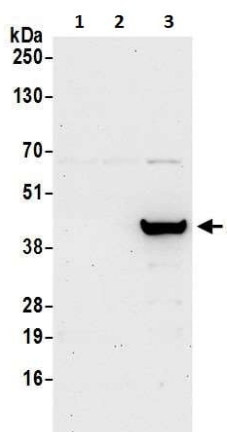
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 41 kDa.
IP		Use at 2-10 µg/mg of lysate.

靶标

功能	Catalyzes the hydrolytic deamination of adenosine and 2-deoxyadenosine. Plays an important role in purine metabolism and in adenosine homeostasis. Modulates signaling by extracellular adenosine, and so contributes indirectly to cellular signaling events. Acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte-epithelial cell adhesion.
组织特异性	Found in all tissues, occurs in large amounts in T-lymphocytes and, at the time of weaning, in gastrointestinal tissues.
疾病相关	Defects in ADA are the cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-negative/NK-cell-negative due to adenosine deaminase deficiency (ADASCD) [MIM:102700]. SCID refers to a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients with SCID present in infancy with recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. ADA-SCID is an autosomal recessive form accounting for about 50% of non-X-linked SCIDs. ADA deficiency has been diagnosed in chronically ill teenagers and adults (late or adult onset). Population and newborn screening programs have also identified several healthy individuals with normal immunity who have partial ADA deficiency.
序列相似性	Belongs to the adenosine and AMP deaminases family.
细胞定位	Cell membrane. Cell junction. Cytoplasmic vesicle lumen. Cytoplasm. Colocalized with DPP4 at the cell junction in lymphocyte-epithelial cell adhesion.

图片



Western blot - Anti-ADA antibody (ab226395)

**All lanes :** Anti-ADA antibody (ab226395) at 0.1 µg/ml

**Lane 1 :** HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2 :** HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

**Lane 3 :** Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate

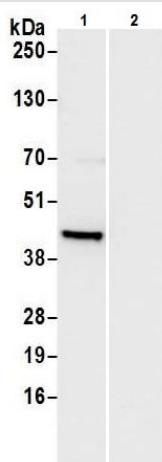
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 41 kDa

**Exposure time:** 30 seconds

Lysates prepared using NETN lysis buffer.



Immunoprecipitation - Anti-ADA antibody (ab226395)

ADA was immunoprecipitated from Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate (prepared using NETN buffer; 1.0 mg for IP, 20% of IP loaded) with ab226395 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab226395 at 0.4 µg/ml.

Lane 1: ab226395 IP in Jurkat whole cell lysate.

Lane 2: Control IgG IP in Jurkat whole cell lysate.

Detection: Chemiluminescence with exposure time of 3 seconds.

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

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