abcam

Product datasheet

Anti-ADA antibody [EPR4438] ab108352

重组 RabMAb

1 References 2 图像

概述

产品名称	Anti-ADA抗体[EPR4438]
描述	兔单克隆抗体[EPR4438] to ADA
宿主	Rabbit
经测试应用	**适用于:** WB **不适用于:** Flow Cyt or IHC-P
种属反应性	**与反应:** Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Jurkat, fetal thymus, and rat kidney lysates
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号	EPR4438
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab108352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 - 1/10000. Predicted molecular weight: 41 kDa.

应用说明 Is unsuitable for Flow Cyt or IHC-P.

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.

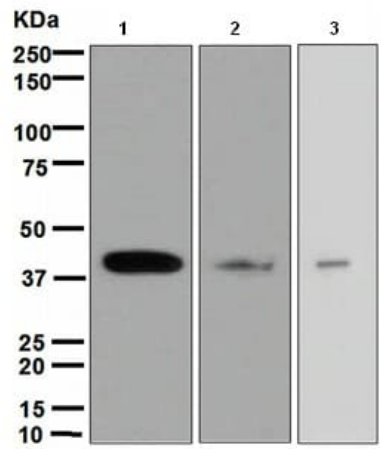
组织特异性 Found in all tissues, occurs in large amounts in T-lymphocytes and, at the time of weaning, in gastrointestinal tissues.

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 (ADASCID) [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 [EPR4438] (ab108352)

All lanes : Anti-ADA antibody [EPR4438] (ab108352) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : Human fetal thymus lysate

Lane 3 : Rat kidney tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 41 kDa

Observed band size: 41 kDa

Anti-ADA antibody [EPR4438] (ab108352)

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