abcam

Product datasheet

Anti-BLNK antibody ab2230

2 图像

概述

产品名称	Anti-BLNK抗体
描述	**山羊多克隆抗体**to BLNK
宿主	Goat
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human **预测可用于:** Mouse
免疫原	Synthetic peptide: KDSTRLKYAVKVS, corresponding to C terminal amino acids 444-456 of Human BLNK. Run BLAST with ExPASy Run BLAST with NCBI
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab2230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		Use a concentration of 1 - 4 µg/ml. Predicted molecular weight: 51 kDa. A 1 hour primary incubation is recommended for this product. Approx 70kDa band seen in Daudi lysate.

靶标

功能 Functions as a central linker protein that bridges kinases associated with the B-cell receptor (BCR) with a multitude of signaling pathways, regulating biological outcomes of B-cell function and development. Plays a role in the activation of ERK/EPHB2, MAP kinase p38 and JNK. Modulates AP1 activation. Important for the activation of NF-kappa-B and NFAT. Plays an important role in BCR-mediated PLCG1 and PLCG2 activation and Ca(2+) mobilization and is required for trafficking of the BCR to late endosomes. However, does not seem to be required for pre-BCR-mediated activation of MAP kinase and phosphatidyl-inositol 3 (PI3) kinase signaling. May be required for the RAC1-JNK pathway. Plays a critical role in orchestrating the pro-B cell to pre-B cell transition (By similarity). Plays an important role in BCR-induced B-cell apoptosis.

组织特异性 Expressed in B-cell lineage and fibroblast cell lines (at protein level). Highest levels of expression in the spleen, with lower levels in the liver, kidney, pancreas, small intestines and colon.

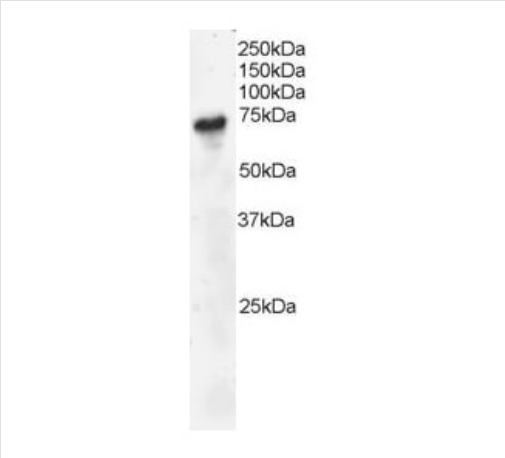
疾病相关 Defects in BLNK are the cause of agammaglobulinemia type 4 (AGM4) [MIM:613502]. It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life.

序列相似性 Contains 1 SH2 domain.

翻译后修饰 Following BCR activation, phosphorylated on tyrosine residues by SYK and LYN. When phosphorylated, serves as a scaffold to assemble downstream targets of antigen activation, including PLCG1, VAV1, GRB2 and NCK1. Phosphorylation of Tyr-84, Tyr-178 and Tyr-189 facilitates PLCG1 binding. Phosphorylation of Tyr-96 facilitates BTK binding. Phosphorylation of Tyr-72 facilitates VAV1 and NCK1 binding. Phosphorylation is required for both Ca(2+) and MAPK signaling pathways.

细胞定位 Cytoplasm. Cell membrane. BCR activation results in the translocation to membrane fraction.

图片



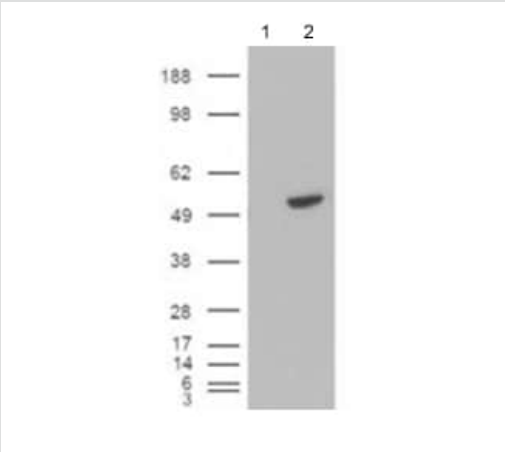
Western blot - Anti-BLNK antibody (ab2230)

Anti-BLNK antibody (ab2230) at 4 µg/ml + Cell lysate prepared from human Daudi cells at 35 µg

Developed using the ECL technique.

Predicted band size: 51 kDa
Observed band size: 70 kDa

Ab2230 staining (4µg/ml) of Daudi lysate (RIPA buffer, 30µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence Primary incubated for 1 hour.



Western blot - Anti-BLNK antibody (ab2230)

All lanes : Anti-BLNK antibody (ab2230) at 1 µg/ml

Lane 1 : Cell lysate prepared from HEK293 mock transfected cells
Lane 2 : Cell lysate prepared from HEK293 overexpressing BLNK

Predicted band size: 51 kDa
Observed band size: 50 kDa

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

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