

Anti-CD22 (phospho Y822) antibody [Y506] ab32123

RabMAb

★★★★★ **1 Abreviews** **2 References** **4 图像**

概述

产品名称	Anti-CD22 (phospho Y822)抗体[Y506]
描述	兔单克隆抗体[Y506] to CD22 (phospho Y822)
宿主	Rabbit
特异性	ab32123 recognises CD22 phosphorylation on Tyrosine 822. This antibody is predicted to detect splice isoform 2 based on sequence homology.
经测试应用	适用于: WB, Flow Cyt, Dot blot 不适用于: IHC or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Ramos and Raji cell lysates treated with Pervanadate. Flow Cyt: K562 cells treated with Pervanadate.
常规说明	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . 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. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	Y506
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab32123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. Detects a band of approximately 150 kDa (predicted molecular weight: 95 kDa).
Flow Cyt	★★★★★ (1)	1/10. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
Dot blot		1/1000.

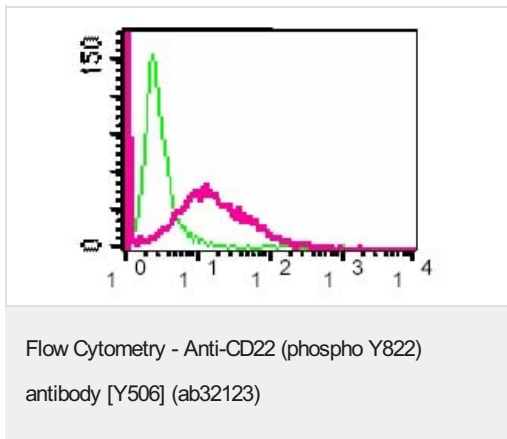
应用说明

Is unsuitable for IHC or IP.

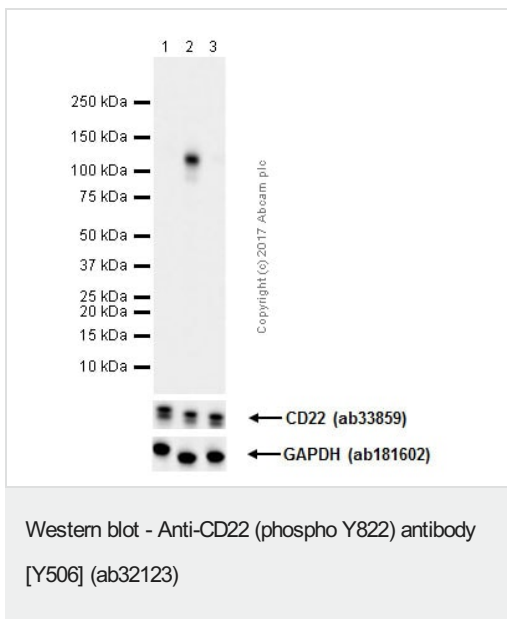
靶标

功能	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules.
组织特异性	B-lymphocytes.
序列相似性	Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 6 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
结构域	Contains 4 copies of a cytoplasmic motif that is referred to as the immunoreceptor tyrosine-based inhibitor motif (ITIM). This motif is involved in modulation of cellular responses. The phosphorylated ITIM motif can bind the SH2 domain of several SH2-containing phosphatases.
翻译后修饰	Phosphorylation of Tyr-762, Tyr-807 and Tyr-822 are involved in binding to SYK, GRB2 and SYK, respectively. Phosphorylation of Tyr-842 is involved in binding to SYK, PLCG2 and PIK3R1/PIK3R2. Phosphorylated on tyrosine residues by LYN.
细胞定位	Cell membrane.

图片



Flow cytometric analysis of permeabilized K562 cells, untreated (green) or Pervanadate treated (red) using ab32123



All lanes : Anti-CD22 (phospho Y822) antibody [Y506] (ab32123) at 1/1000 dilution

Lane 1 : Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 2 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate

Lane 3 : Ramos treated with 1mM pervanadate for 30 min whole cell lysate. Then the membrane was incubated with alkaline phosphatase.

Lysates/proteins at 10 µg per lane.

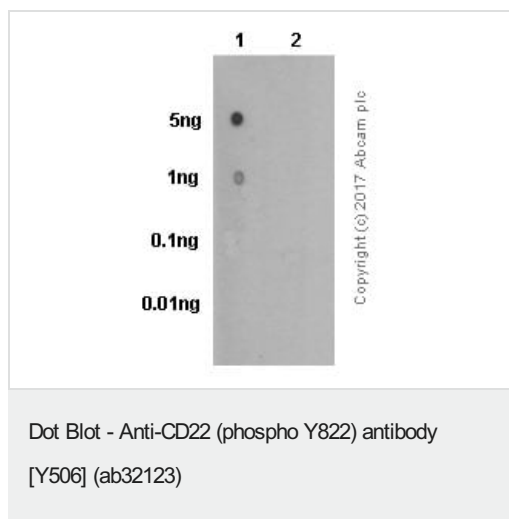
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

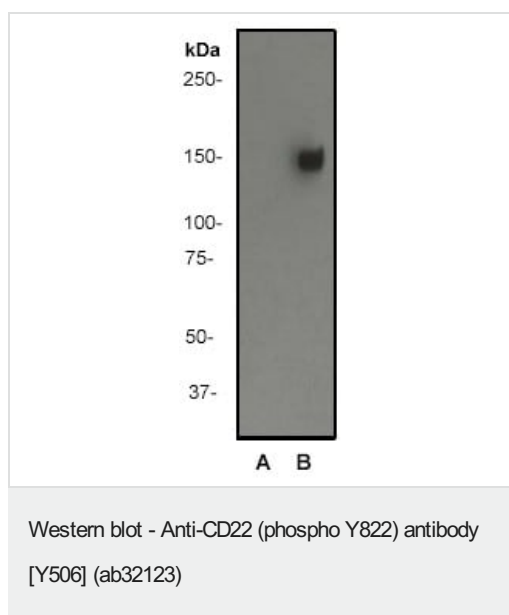
Predicted band size: 95 kDa

Observed band size: 150 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Dot blot analysis of CD22 (phospho Y822) phospho peptide (Lane 1) and CD22 non-phospho peptide (Lane 2) labelling CD22 (phospho Y822) with ab32123 at a dilution of 1/1000. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) was used as the secondary antibody at a dilution of 1/20,000. Blocking buffer: 5% NFDM/TBST. Dilution buffer: 5% NFDM /TBST.



All lanes : Anti-CD22 (phospho Y822) antibody [Y506] (ab32123) at 1/1000 dilution

Lane 1 : Untreated Raji cell lysate

Lane 2 : Raji cell lysate treated with Pervanadate

Predicted band size: 95 kDa

Observed band size: 150 kDa

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