

Anti-CD32B antibody [EP888Y] ab45143

重组 RabMAb

19 References [5 图像](#)

概述

产品名称	Anti-CD32B抗体[EP888Y]
描述	兔单克隆抗体[EP888Y] to CD32B
宿主	Rabbit
特异性	This antibody has weak cross-reactivity with CD32A and CD32C. It detects weak signal in CD32A and CD32C over-expressed lysates at the dilution of 1/200 under the exposure time of 3 minutes, but detects strong band in CD32B over-expressed lysates at the dilution of 1:2000 under the exposure time of 15 seconds.
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human CD32B aa 250-350 (C terminal).
阳性对照	Daudi cell lysate, human lymph node tissue.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide

纯度	Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
克隆	Protein A purified
克隆编号	单克隆
同种型	EP888Y
	IgG

应用

The Abpromise guarantee
Abpromise™承诺保证使用ab45143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。

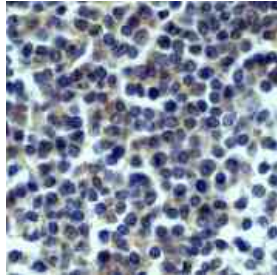
应用	Ab评论	说明
WB		1/10000 - 1/50000. Detects a band of approximately 49-55 kDa.
IHC-P		1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

应用说明
Is unsuitable for Flow Cyt,ICC/IF or IP.

靶标

功能	Receptor for the Fc region of complexed or aggregated immunoglobulins gamma. Low affinity receptor. Involved in a variety of effector and regulatory functions such as phagocytosis of immune complexes and modulation of antibody production by B-cells. Binding to this receptor results in down-modulation of previous state of cell activation triggered via antigen receptors on B-cells (BCR), T-cells (TCR) or via another Fc receptor. Isoform IIB1 fails to mediate endocytosis or phagocytosis. Isoform IIB2 does not trigger phagocytosis.
组织特异性	Is the most broadly distributed Fc-gamma-receptor. Expressed in monocyte, neutrophils, macrophages, basophils, eosinophils, Langerhans cells, B-cells, platelets cells and placenta (endothelial cells). Not detected in natural killer cells.
疾病相关	Note=A chromosomal aberration involving FCGR2B is found in a follicular lymphoma. Translocation t(1;22)(q22;q11). The translocation leads to the hyperexpression of the receptor. This may play a role in the tumor progression.
序列相似性	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
结构域	Contains 1 copy 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.
细胞定位	Cell membrane.

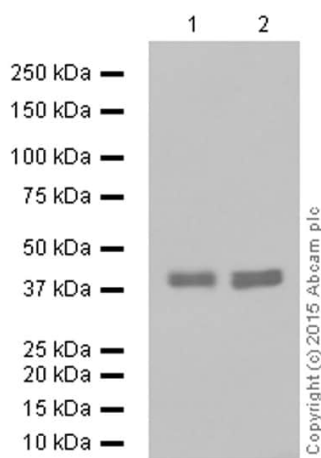
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD32B antibody [EP888Y] (ab45143)

Unpurified ab45143 staining human CD32 (1/100) in human lymph node by immunohistochemistry using paraffin embedded tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-CD32B antibody [EP888Y] (ab45143)

All lanes : Anti-CD32B antibody [EP888Y] (ab45143) at 1/10000 dilution (purified)

Lane 1 : Human thyroid lysate

Lane 2 : Daudi whole cell lysate

Lysates/proteins at 20 µg per lane.

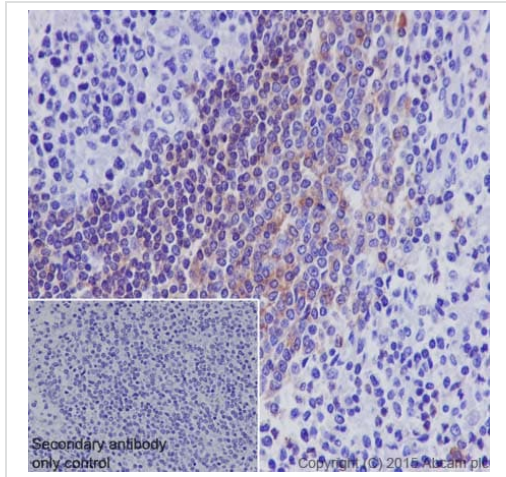
Secondary

All lanes : Anti-rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Observed band size: 40-44 kDa

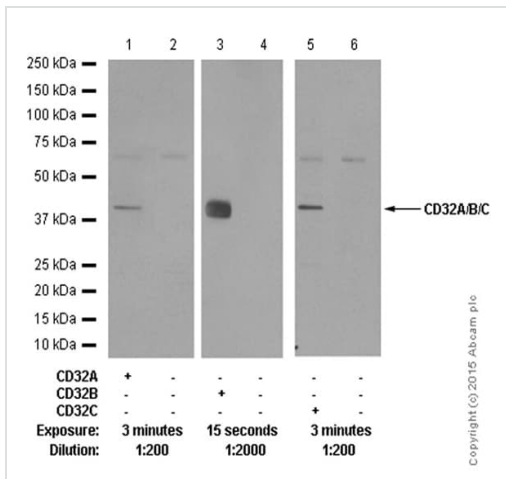
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD32B antibody [EP888Y] (ab45143)

Immunohistochemical staining of paraffin embedded human spleen with purified ab45143 at a working dilution of 1/1000. The secondary antibody used is **ab97051**, a goat anti-rabbit IgG (H&L) at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-CD32B antibody [EP888Y] (ab45143)

Lanes 1-2 & 5-6 : Anti-CD32B antibody [EP888Y] (ab45143) at 1/200 dilution (unpurified)

Lanes 3-4 : Anti-CD32B antibody [EP888Y] (ab45143) at 1/2000 dilution (unpurified)

Lane 1 : Human CD32A overexpressed lysate

Lanes 2 & 4 & 6 : Non-transfected lysate

Lane 3 : Human CD32B overexpressed lysate

Lane 5 : Human CD32C overexpressed lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Observed band size: 39 kDa

Exposure times: Lanes 1 and 2: 3 minutes, Lanes 3 and 4: 15 seconds, Lanes 5 and 6: 3 minutes.

Blocking and dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CD32B antibody [EP888Y] (ab45143)

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

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