

### Anti-SLP76 (phospho Y145) antibody [EP2853Y] ab75829

**重组** RabMAb

★★★★★ [1 Abreviews](#) [7 References](#) [7 图像](#)

#### 概述

产品名称	Anti-SLP76 (phospho Y145)抗体[EP2853Y]
描述	兔单克隆抗体[EP2853Y] to SLP76 (phospho Y145)
宿主	Rabbit
经测试应用	<b>适用于:</b> ICC/IF, Dot blot, WB, Flow Cyt (Intra) <b>不适用于:</b> IHC-P
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Jurkat whole cell lysate ( <a href="#">ab7899</a> ) treated with pervanadate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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

EP2853Y

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab75829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
ICC/IF		1/500.
Dot blot		1/1000.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 60 kDa.
Flow Cyt (Intra)		1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

应用说明

Is unsuitable for IHC-P.

靶标

功能

Involved in T-cell antigen receptor mediated signaling.

组织特异性

Highly expressed in spleen, thymus and peripheral blood leukocytes. Highly expressed also in T-cell and monocytic cell lines, expressed at lower level in B-cell lines. Not detected in fibroblast or neuroblastoma cell lines.

序列相似性

Contains 1 SAM (sterile alpha motif) domain.  
Contains 1 SH2 domain.

结构域

The SH2 domain mediates interaction with SHB.

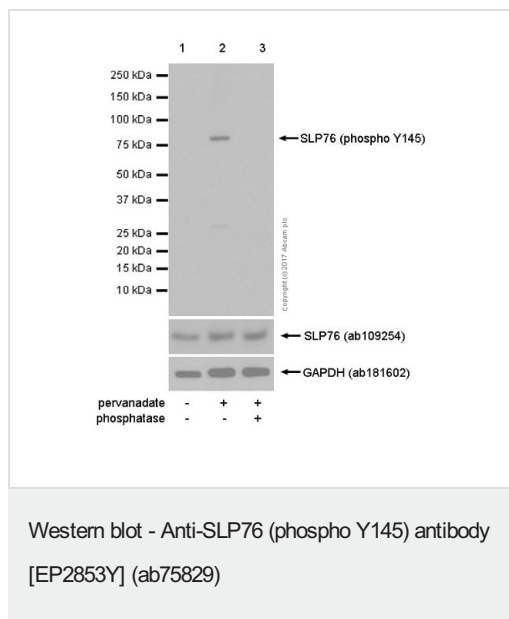
翻译后修饰

Phosphorylated after T-cell receptor activation by ZAP-70.

细胞定位

Cytoplasm.

图片



**All lanes :** Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829) at 1/5000 dilution

**Lane 1 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

**Lane 2 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates. treated with pervanadate at 50nM for 5 min.

**Lane 3 :** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates. Treated with pervanadate at 50nM for 5 min. Then the membrane was incubated with phosphatase.

Lysates/proteins at 15 µg per lane.

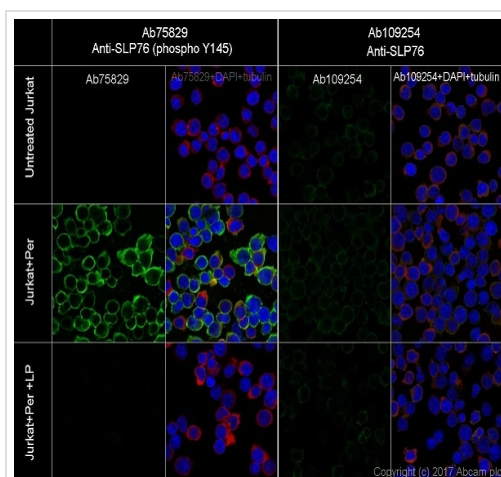
## Secondary

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

**Predicted band size:** 60 kDa

**Observed band size:** 76 kDa

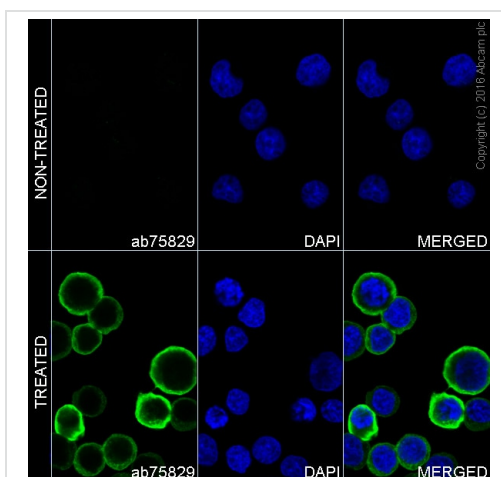
Blocking buffer 5% NFDM/TBST. Diluting buffer 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829)

ab75829 staining SLP76 in Jurkat by Immunocytochemistry. Tissue was fixed with 4% paraformaldehyde. Samples were incubated with primary antibody (4.5 µg/ml). **ab150077** AlexaFluor®488 Goat anti-Rabbit (1/1000) was used as the secondary antibody. Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 2.5 µg/ml and DAPI were used as counter stains.

Confocal image showing the expression was increased after treatment with pervanadate (1mM, 30min) and then decreased after treatment with the Lambda Protein Phosphatase 31I for 2h

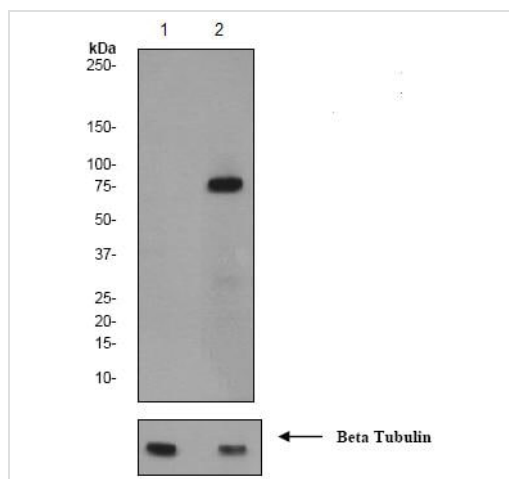


Immunocytochemistry/ Immunofluorescence - Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829)

ab75829 staining SLP76 (phospho Y145) antibody in both treated (50mM of pervanadate for 5 minutes) and untreated Jurkat (human acute T cell leukemia) cells by ICC/IF

(Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/500. A goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a dilution of 1/1000.

DAPI was used as a nuclear counterstain.



Western blot - Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829)

**All lanes :** Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829) at 1/200000 dilution

**Lane 1 :** Jurkat cell lysate un-treated

**Lane 2 :** Jurkat cell lysate treated with pervanadate

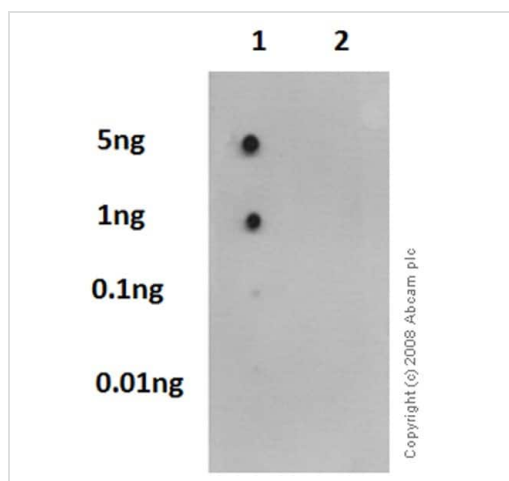
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 60 kDa

**Observed band size:** 76 kDa

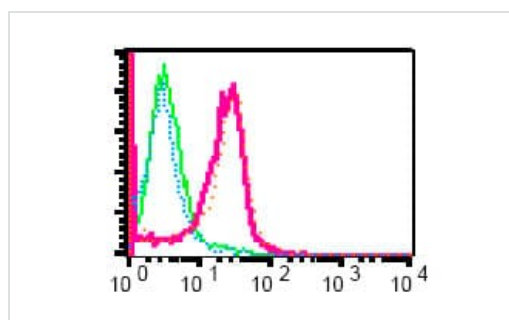


Dot Blot - Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829)

Dot blot analysis of SLP76 (phospho Y145) phospho peptide (Lane 1), SLP76 Non-phospho peptide (Lane 2), labelling SLP76 (phospho Y145) with ab75829 at a dilution of 1/1000. Peroxidase conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500.

Blocking and diluting buffer: 5% NFDm/TBST.

Exposure time: 3 minutes.



Flow Cytometry (Intracellular) - Anti-SLP76 (phospho Y145) antibody [EP2853Y] (ab75829)

Intracellular flow cytometric analysis of permeabilized Jurkat cells, untreated (green) or pervanadate treated (red) using ab75829 at a 1/100 dilution. Also, pervanadate Jurkat cells using the same antibody preincubated with phospho SLP76 peptide (blue) or non phospho SLP76 peptide (orange).

### 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-SLP76 (phospho Y145) antibody [EP2853Y]  
(ab75829)

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

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