


# Anti-Lyn (phospho Y507) antibody [EP504Y] ab33914

**重组** RabMAb

**11 References** 4 图像

### 概述

产品名称	Anti-Lyn (phospho Y507)抗体[EP504Y]
描述	兔单克隆抗体[EP504Y] to Lyn (phospho Y507)
宿主	Rabbit
经测试应用	<b>适用于:</b> Dot blot, WB, IP <b>不适用于:</b> Flow Cyt or ICC/IF
种属反应性	<b>与反应:</b> Human <b>预测可用于:</b> Mouse, Rat 
免疫原	Synthetic peptide within Human Lyn (phospho Y507). The exact sequence is proprietary. Database link: <b><u>P07948</u></b>
阳性对照	WB: HeLa (untreated and treated with pervanadate) and Raji treated with pervanadate whole cell lysates. IP: SH-SY5Y treated with pervanadate whole cell lysate.
常规说明	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><u>RabMAb<sup>®</sup> patents</u></b> .  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: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified

克隆	单克隆
克隆编号	EP504Y
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab33914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
Dot blot		1/1000.
WB		1/500 - 1/5000. Detects a band of approximately 53-56 kDa (predicted molecular weight: 61 kDa).
IP		1/80.

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

## 靶标

**功能** Down regulates expression of stem cell growth factor receptor (KIT). Acts as an effector of EpoR (erythropoietin receptor) in controlling KIT expression and may play a central role in erythroid differentiation during the switch between proliferation and maturation (By similarity). Acts as a positive regulator of cell movement while negatively regulating adhesion to stromal cells by inhibiting the ICAM-1-binding activity of beta-2 integrins. Acts as the mediator that relays suppressing signals from the chemokine receptor CXCR4 to beta-2 integrin LFA-1 in hematopoietic precursors. Involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. Induces SAPK by a MKK7- and MEKK1-dependent mechanism. The LYN -> MEKK1 -> MKK7 -> SAPK pathway is functional in the induction of apoptosis by genotoxic agents.

<b>组织特异性</b>	Widely expressed in a variety of organs, tissues, and cell types such as epidermoid, hematopoietic, and neuronal cells. Expressed in primary neuroblastoma tumors.
--------------	--

序列相似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.</p> <p>Contains 1 protein kinase domain.</p> <p>Contains 1 SH2 domain.</p> <p>Contains 1 SH3 domain.</p>
-------	--

**结构域** The protein kinase domain plays an important role in its localization in the cell membrane.

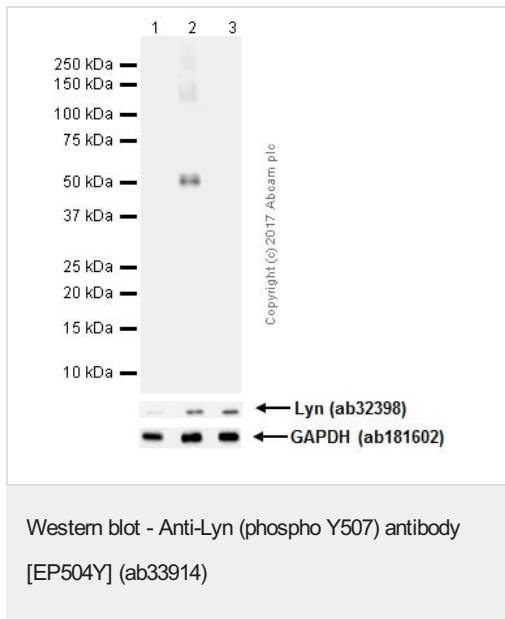
**翻译后修饰** Ubiquitinated. Ubiquitination is SH3-dependent.

<b>细胞定位</b>	Cell membrane. Nucleus. Cytoplasm. Cytoplasm > perinuclear region. Golgi apparatus. Accumulates in the nucleus by inhibition of CRM1-mediated nuclear export. Nuclear accumulation is increased by inhibition of its kinase activity. The trafficking from the Golgi apparatus to the plasma membrane occurs in a kinase domain-dependent but kinase activity independent manner and is mediated by exocytic vesicular transport.
-------------	--

**形式** This protein is known to be similar in amino acid sequence to HCK (P08631), LCK (P06239), FYN (P06241), YES1 (P07947), and SRC (P12931). Therefore, cross-reactivity with these

homologous proteins may be observed. We would be happy to provide immunogen alignment information upon request.

## 图片



**All lanes :** Anti-Lyn (phospho Y507) antibody [EP504Y] (ab33914) at 1/1000 dilution

**Lane 1 :** Raji whole cell lysate

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

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

Lysates/proteins at 10 µg per lane.

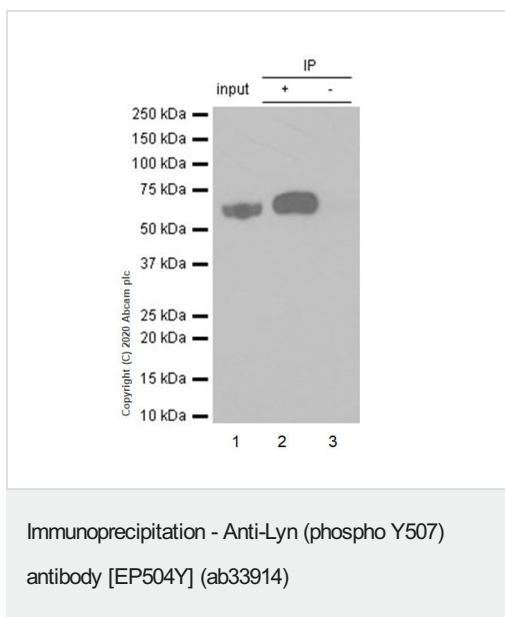
### Secondary

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

**Predicted band size:** 61 kDa

**Observed band size:** 61 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Purified ab33914 at 1/80 dilution (2µg) immunoprecipitating Lyn in SH-SY5Y treated with pervanadate whole cell lysate.

Lane 1 (input): SH-SY5Y (Human neuroblastoma epithelial cell) treated with pervanadate whole cell lysate 10µg

Lane 2 (+): ab33914 + SH-SY5Y treated with pervanadate whole cell lysate.

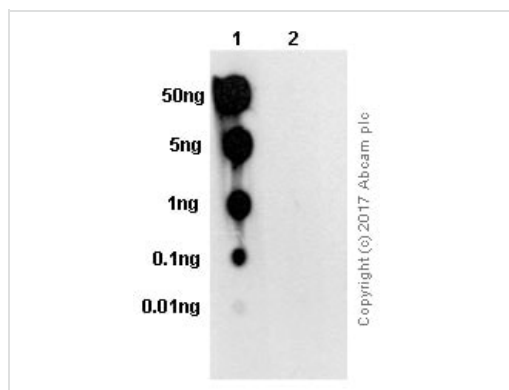
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab256224** in SH-SY5Y treated with pervanadate whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM/TBST.

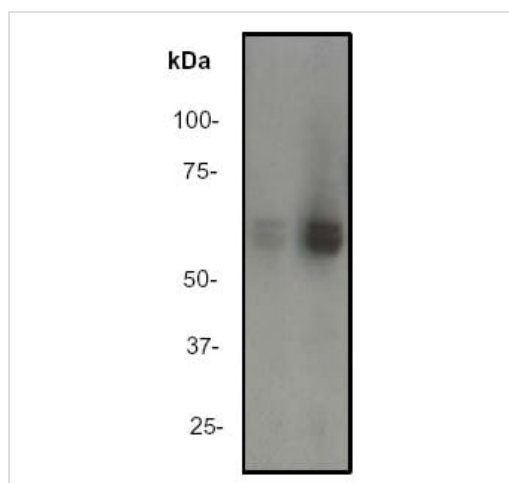
Observed band size: 61 kDa



Dot Blot - Anti-Lyn (phospho Y507) antibody  
[EP504Y] (ab33914)

Dot blot analysis of Lyn (phospho Y507) phospho peptide (Lane 1) and Lyn non-phospho peptide (Lane 2) labelling Lyn (phospho Y507) with ab33914 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 1/100,000.

Blocking and dilution buffer: 5% NFDM /TBST.



Western blot - Anti-Lyn (phospho Y507) antibody  
[EP504Y] (ab33914)

**All lanes :** Anti-Lyn (phospho Y507) antibody [EP504Y] (ab33914) at 1/5000 dilution

**Lane 1 :** 10ug Non treated HeLa cell lysate

**Lane 2 :** 10ug HeLa cell lysate treated with Pervanadate

#### Secondary

**All lanes :** Goat anti-rabbit HRP labeled.

**Predicted band size:** 61 kDa

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors