

# Anti-5 Lipoxygenase/5-LO (phospho S523) antibody ab30573

[1 References](#) [1 图像](#)

### 概述

<b>产品名称</b>	Anti-5 Lipoxygenase/5-LO (phospho S523)抗体
<b>描述</b>	兔多克隆抗体to 5 Lipoxygenase/5-LO (phospho S523)
<b>宿主</b>	Rabbit
<b>特异性</b>	Specific for the ~80k 5 Lipoxygenase/5-LO phosphorylated at Ser523 in western blots of rat hippocampal lysates.
<b>经测试应用</b>	<b>适用于:</b> WB
<b>种属反应性</b>	<b>与反应:</b> Rat
<b>免疫原</b>	Synthetic peptide within Human 5 Lipoxygenase/5-LO (phospho S523). The exact sequence is proprietary.
<b>阳性对照</b>	WB: Rat cortex tissue lysate.
<b>常规说明</b>	<p>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.</p> <p>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&amp;As</p>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	pH: 7.50 Constituents: 0.238% HEPES, 50% Glycerol, 0.87% Sodium chloride, 0.01% BSA
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	Prepared from rabbit serum by affinity purification via sequential chromatography on phospho and dephosphopeptide affinity columns.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab30573 于以下的经测试应用

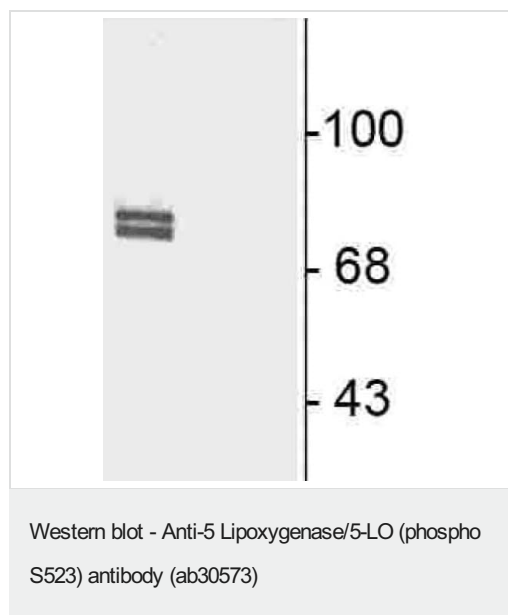
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
<b>WB</b>		1/1000. Detects a band of approximately 80 kDa (predicted molecular weight: 78 kDa). The immunolabeling is completely eliminated by treatment with lambda-Phosphatase.

## 靶标

<b>功能</b>	Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.
<b>通路</b>	Lipid metabolism; leukotriene A4 biosynthesis.
<b>序列相似性</b>	Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain.
<b>翻译后修饰</b>	Serine phosphorylation by MAPKAPK2 is stimulated by arachidonic acid. Phosphorylation on Ser-523 by PKA has an inhibitory effect. Phosphorylation on Ser-272 prevents export from the nucleus.
<b>细胞定位</b>	Cytoplasm. Nucleus matrix. Nucleus membrane. Shuttles between cytoplasm and nucleus. Found exclusively in the nucleus, when phosphorylated on Ser-272. Calcium binding promotes translocation from the cytosol and the nuclear matrix to the nuclear envelope and membrane association.

## 图片



**All lanes** : Anti-5 Lipoxygenase/5-LO (phospho S523) antibody (ab30573) at 1/1000 dilution

**All lanes** : rat cortex lysate

**Predicted band size:** 78 kDa

**Observed band size:** 80 kDa

Lane 2 was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Anti-Ser523 5Lipoxygenase

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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