

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

**1 References** [画像数 1](#)

### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-5 Lipoxygenase/5-LO (phospho S523) antibody  |
| 製品の詳細        | Rabbit polyclonal to 5 Lipoxygenase/5-LO (phospho S523)   |
| 由来種          | Rabbit  |
| 特異性          | Specific for the ~80k 5 Lipoxygenase/5-LO phosphorylated at Ser523 in western blots of rat hippocampal lysates.   |
| アプリケーション     | <b>適用あり:</b> WB   |
| 種交差性         | <b>交差種:</b> Rat   |
| 免疫原          | Synthetic peptide within Human 5 Lipoxygenase/5-LO (phospho S523). The exact sequence is proprietary.   |
| ポジティブ・コントロール | WB: Rat cortex tissue lysate.   |
| 特記事項         | <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> |

### 製品の特性

|           |   |
|-----------|---|
| 製品の状態     | Liquid  |
| 保存方法      | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.   |
| バッファー     | pH: 7.50<br>Constituents: 0.238% HEPES, 50% Glycerol, 0.87% Sodium chloride, 0.01% BSA  |
| 精製度       | Immunogen affinity purified   |
| 特記事項 (精製) | Prepared from rabbit serum by affinity purification via sequential chromatography on phospho and dephosphopeptide affinity columns. |
| ポリ/モノ     | ポリクローナル   |
| アイソタイプ    | IgG   |

## アプリケーション

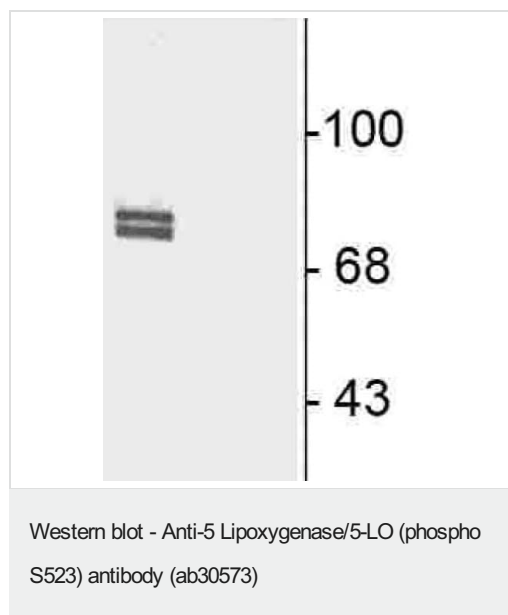
**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab30573の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| WB       |           | 1/1000. Detects a band of approximately 80 kDa (predicted molecular weight: 78 kDa).<br>The immunolabeling is completely eliminated by treatment with lambda-Phosphatase. |

## ターゲット情報

|       |   |
|-------|---|
| 機能    | Catalyzes the first step in leukotriene biosynthesis, and thereby plays a role in inflammatory processes.   |
| パスウェイ | Lipid metabolism; leukotriene A4 biosynthesis.  |
| 配列類似性 | Belongs to the lipoxygenase family.<br>Contains 1 lipoxygenase domain.<br>Contains 1 PLAT domain.   |
| 翻訳後修飾 | 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.  |
| 細胞内局在 | 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. |

## 画像



**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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