

### Anti-Thiophosphate ester antibody [51-8] ab92570

リコンビナント **RabMAb**

**71 References**    **画像数 2**

#### 製品の概要

製品名	Anti-Thiophosphate ester antibody [51-8]
製品の詳細	Rabbit monoclonal [51-8] to Thiophosphate ester
由来種	Rabbit
特異性	This antibody is specific to thiophosphorylated amino acids.
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Species independent
免疫原	Chemical/ Small Molecule corresponding to Thiophosphate ester conjugated to keyhole limpet haemocyanin.
特記事項	<p>This antibody was developed as part of a collaboration between Abcam and the lab of Dr. Kevan Shokat at University of California at San Francisco.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology</p> <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> <p>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>.</p> <p>It is possible to use ab92570 with <a href="#">ab138911</a> as a kinase reaction reagent for the identification of direct kinase substrates as mentioned in Allen JJ <i>et al.</i> Nat Methods 4:511-6 (2007).</p> <p>After the kinase of interest has accepted ATP-γ-S (<a href="#">ab138911</a>), <i>p</i>-Nitrobenzyl mesylate (<a href="#">ab138910</a>) can be used to alkylate the thiophosphorylation site on the substrates. ab92570 is introduced to identify the tagged substrates.</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 repeated freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide

Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

## 精製度

Protein A purified

## 一次抗体 備考

ab92570 can be used to detect kinase substrates containing thiophosphate esters following the kinase reaction as described by J. Allen and colleagues in Nature methods 2007. This antibody as allow researchers to follow this approach to study kinase-substrate relationships of interest. The antibody is also context independent in that it can recognize serine, threonine, and tyrosine thiophosphorylated residues in a multitude of kinase phosphorylation consensus motifs. In order for this antibody to work in WB and IP, the customer needs to perform a specific kinase reaction using ATP gamma S and PNBM. See specific Protocol at the bottom of this page for details.

## ポリ/モノ

モノクローナル

## クローン名

51-8

## 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ab92570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。

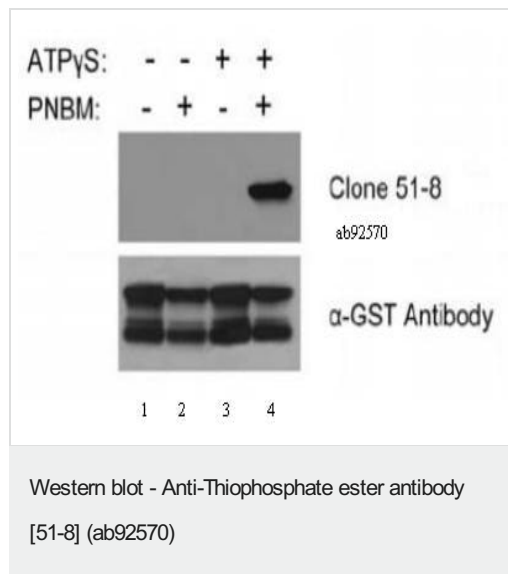
アプリケーション	Abreviews	特記事項
WB		1/5000.

## ターゲット情報

## 関連性

Thiophosphate ester is used as fungicide.

## 画像



**All lanes :** Anti-Thiophosphate ester antibody [51-8] (ab92570) at 1/5000 dilution

**Lane 1 :** JNK1 protein (10ng) incubated with c-jun-GST substrate (1ug)





**Lane 2 :** JNK1 protein (10ng) incubated with c-jun-GST substrate (1ug) using alkylation with PNBM (2.5mM).

**Lane 3 :** JNK1 protein (10ng) incubated with c-jun-GST substrate (1ug) using ATP-gamma-S

**Lane 4 :** JNK1 protein (10ng) incubated with c-jun-GST substrate (1ug) using ATP-gamma-S followed by alkylation with PNBM (2.5mM).

In vitro kinase reaction was carried out for 30 minutes at room temperature. PNBM alkylation (2.5mM) was for 2 hours at room temperature. Reaction products were analyzed by western blot with thiophosphate ester specific ab92570 at 1/5000, alpha-GST antibody confirms equal loading.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Thiophosphate ester antibody [51-8] (ab92570)

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

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