

Anti-Thiophosphate ester antibody [51-8] ab92570

重组 RabMAb

71 References **2 图像**

概述

产品名称	Anti-Thiophosphate ester抗体[51-8]
描述	兔单克隆抗体[51-8] to Thiophosphate ester
宿主	Rabbit
特异性	This antibody is specific to thiophosphorylated amino acids.
经测试应用	适用于: WB
种属反应性	与反应: Species independent
免疫原	Chemical/ Small Molecule corresponding to Thiophosphate ester conjugated to keyhole limpet haemocyanin.
常规说明	<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 see here.</p> <p>Our RabMAb[®] technology</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>It is possible to use ab92570 with ab138911 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 (ab138911), <i>p</i>-Nitrobenzyl mesylate (ab138910) can be used to alkylate the thiophosphorylation site on the substrates. ab92570 is introduced to identify the tagged substrates.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide

纯度

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

Primary antibody说明

Protein A purified

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 can 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.

克隆

单克隆

克隆编号

51-8

同种型

IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab92570 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。

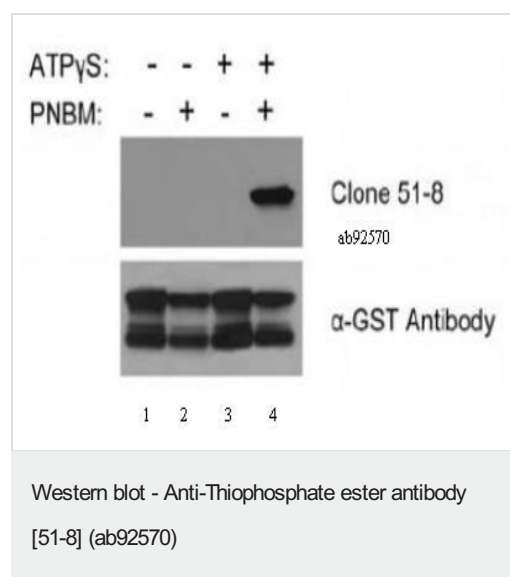
应用	Ab评论	说明
WB		1/5000.

靶标

相关性

Thiophosphate ester is used as fungicide.

图片



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