

# Anti-Thiophosphate ester antibody [51-8] - BSA and Azide free ab239919

Recombinant RabMAb

[1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Thiophosphate ester antibody [51-8] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [51-8] to Thiophosphate ester - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific to thiophosphorylated amino acids.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Chemical/ Small Molecule corresponding to Thiophosphate ester conjugated to keyhole limpet haemocyanin.
<b>General notes</b>	<p>ab239919 is the carrier-free version of <a href="#">ab92570</a>.</p> <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. It is possible to use <a href="#">ab92570</a> with <a href="#">ab138911</a> as a kinase reaction reagent for the identification of direct kinase substrates as mentioned in Allen JJ et al. Nat Methods 4:511-6 (2007). After the kinase of interest has accepted ATP-<math>\gamma</math>-S (<a href="#">ab138911</a>), p -Nitrobenzyl mesylate (<a href="#">ab138910</a>) can be used to alkylate the thiophosphorylation site on the substrates. <a href="#">ab92570</a> is introduced to identify the tagged substrates.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p>

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	51-8
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab239919 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.

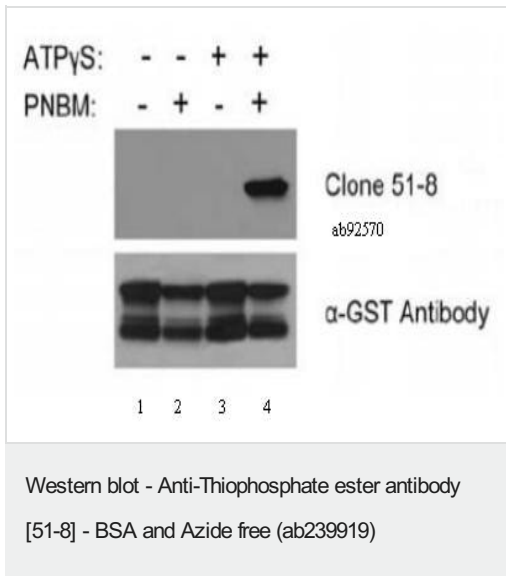
## Target

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**Relevance** Thiophosphate ester is used as fungicide.

## Images

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**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).

This data was developed using [ab92570](#), the same antibody clone in a different buffer formulation.

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?

**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-Thiophosphate ester antibody [51-8] - BSA and Azide free (ab239919)

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

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