# abcam

### Product datasheet

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

יובעדער RabMAb

1 References 画像数 2

#### 製品の概要

製品名 Anti-Thiophosphate ester antibody [51-8] - BSA and Azide free

製品の詳細 Rabbit monoclonal [51-8] to Thiophosphate ester - BSA and Azide free

由来種 Rabbit

特異性 This antibody is specific to thiophosphorylated amino acids.

アプリケーション **適用あり:** WB

種交差性 交差種: Species independent

免疫原 Chemical/ Small Molecule corresponding to Thiophosphate ester conjugated to keyhole limpet

haemocyanin.

特記事項 ab239919 is the carrier-free version of ab92570.

> 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 ab92570 with ab138911 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 ATPγ-S (ab138911), p -Nitrobenzyl mesylate (ab138910) can be used to alkylate the thiophospholyation site on the substrates. ab92570 is introduced to identify the tagged substrates.

Our carrier-free 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.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cellbased assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- 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**.

#### 製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at +4°C. Do Not Freeze.

**バッファー** pH: 7.2

Constituent: PBS

キャリア・フリー はい

精製度 Protein A purified

**ポリ/モノ** モノクローナル

**クローン名** 51-8 **アイソタイプ** lgG

#### アプリケーション

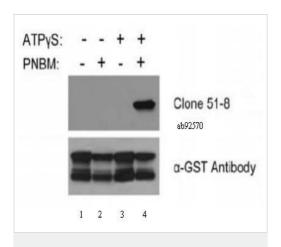
**The Abpromise guarantee** <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab239919の使用に適用されます アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration.

#### ターゲット情報

**関連性** Thiophosphate ester is used as fungicide.

#### 画像



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

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

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

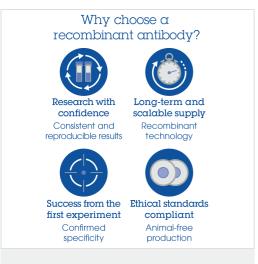
**Lane 2**: JNK1 protein (10ng) incubated with c-jun-GST substrate (1ug) using alkylation with PNBM (2.5mM).

**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 <u>ab92570</u>, 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.



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

#### Our Abpromise to you: Quality guaranteed and expert technical support

- · Replacement or refund for products not performing as stated on the datasheet
- · Valid for 12 months from date of delivery
- · Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <a href="https://www.abcam.co.jp/abpromise">https://www.abcam.co.jp/abpromise</a> or contact our technical team.

#### Terms and conditions

· Guarantee only valid for products bought direct from Abcam or one of our authorized distributors