

Product datasheet

Anti-Thiophosphate ester antibody [51-8] ab133473

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [15 References](#) [2 Images](#)

Overview

Product name	Anti-Thiophosphate ester antibody [51-8]
Description	Rabbit monoclonal [51-8] to Thiophosphate ester
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Species independent
Immunogen	Chemical/ Small Molecule corresponding to Thiophosphate ester conjugated to keyhole limpet haemocyanin.
Positive control	HeLa cell lysate
General notes	<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 antibody is useful for studying 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.</p> <p>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.</p> <p>See specific Protocol at the bottom of this page for details.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</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>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.2

Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

Purity	Protein A purified
Primary antibody notes	<p>This antibody is useful for studying 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.</p> <p>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.</p> <p>See specific Protocol at the bottom of this page for details.</p>
Clonality	Monoclonal
Clone number	51-8
Isotype	IgG

Applications

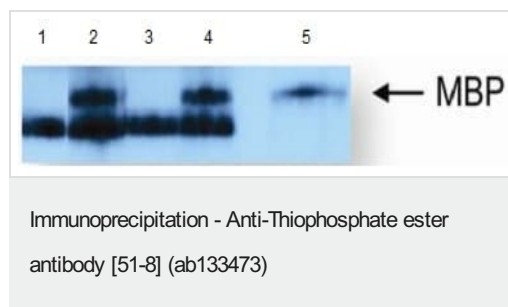
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133473 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP	★★★★★ (1)	1/5000. Recommended: 0.5-1 ug of antibody per 1ug of kinase substrate

Target

Relevance Thiophosphate ester is used as fungicide.

Images



ab133473, at 1:5000, immunoblotting immunoprecipitated samples pre-resolved by SDS-PAGE. Myelin basic protein (MBP) was thiophosphorylated by AS GSK3 beta (GSK3 beta also catalyzes an auto thiophosphorylation reaction). Samples were treated with or without p-nitrobenzyl mesylate (PNBM) for 1 hour at room temperature. PNBM was removed by size exclusion and 1mg/ml of HeLa cell lysate was added to samples.





ab133473 was pre-incubated with protein G beads and was added to sample for an immunoprecipitation at 4°C overnight:

- (1) Thiophosphorylated MBP
- (2) PNBM treated thiophosphorylated MBP sample
- (3) HeLa cell lysate
- (4) HeLa cell lysate with PNBM treated thiophosphorylated MBP

sample

(5) Control

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] (ab133473)

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

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