

# Anti-Phospholipase C beta 3/PLCB3 (phospho S537) antibody [EPR1498Y] - BSA and Azide free ab247313

Recombinant RabMAb

2 Images

## Overview

<b>Product name</b>	Anti-Phospholipase C beta 3/PLCB3 (phospho S537) antibody [EPR1498Y] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR1498Y] to Phospholipase C beta 3/PLCB3 (phospho S537) - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab247313 is the carrier-free version of <a href="#">ab51247</a>.</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> <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>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology 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>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

## Properties

<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>	EPR1498Y
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab247313 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

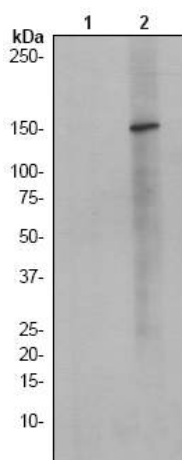
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 150 kDa (predicted molecular weight: 139 kDa).

**Application notes** Is unsuitable for Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP.

## Target

<b>Function</b>	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes.
<b>Sequence similarities</b>	Contains 1 C2 domain. Contains 1 PI-PLC X-box domain. Contains 1 PI-PLC Y-box domain.
<b>Cellular localization</b>	Membrane.

## Images



Western blot - Anti-Phospholipase C beta 3/PLCB3 (phospho S537) antibody [EPR1498Y] - BSA and Azide free (ab247313)

**All lanes :** Anti-Phospholipase C beta 3/PLCB3 (phospho S537) antibody [EPR1498Y] ([ab51247](#)) at 1/2000 dilution

**Lane 1 :** HeLa cell lysate, untreated

**Lane 2 :** HeLa cell lysate, treated with TPA

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat anti-rabbit HRP labeled at 1/2000 dilution

**Predicted band size:** 139 kDa

**Observed band size:** 150 kDa

This data was developed using [ab51247](#), the same antibody clone in a different buffer formulation.

#### 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-Phospholipase C beta 3/PLCB3 (phospho S537) antibody [EPR1498Y] - BSA and Azide free (ab247313)

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

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