


## Product datasheet

# Anti-PHYHD1 antibody [EPR13312] - BSA and Azide free ab250447

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-PHYHD1 antibody [EPR13312] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR13312] to PHYHD1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab250447 is the carrier-free version of <a href="#">ab181232</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>

## 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>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13312
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab250447 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		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 32 kDa.

## Target

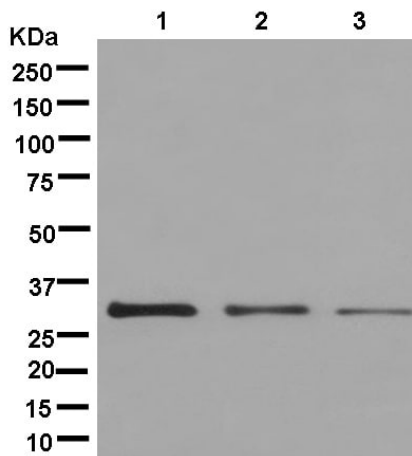
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<b>Function</b>	Probably acts as alpha-ketoglutarate-dependent dioxygenase.
<b>Sequence similarities</b>	Belongs to the PhyH family. PHYHD1 subfamily.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.

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## Images

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Western blot - Anti-PHYHD1 antibody [EPR13312] - BSA and Azide free (ab250447)

**All lanes :** Anti-PHYHD1 antibody [EPR13312] (**ab181232**) at 1/5000 dilution

**Lane 1 :** Human fetal kidney lysate

**Lane 2 :** Human fetal liver lysate

**Lane 3 :** HepG2 cell lysate

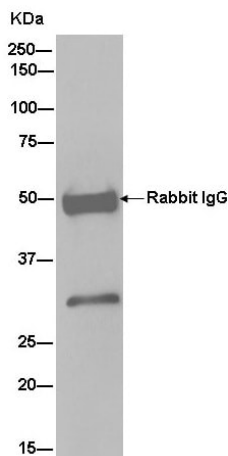
Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab136636**) at 1/500 dilution

**Predicted band size:** 32 kDa

This data was developed using **ab181232**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-PHYHD1 antibody [EPR13312] - BSA and Azide free (ab250447)

This data was developed using **ab181232**, the same antibody clone in a different buffer formulation. Immunoprecipitation analysis of HeLa cells labeling PHYHD1 using **ab181232** at 1/50 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated was used as secondary antibody at a 1/1000 dilution.

### 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-PHYHD1 antibody [EPR13312] - BSA and Azide free (ab250447)

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

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- Response to your inquiry within 24 hours
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- 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 <https://www.abcam.com/abpromise> or contact our technical team.

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