

Product datasheet

Anti-Phosphorylase B/PHKB antibody [EPR9035(2)] ab181360

Recombinant RabMAb

[2 Images](#)

Overview

Product name	Anti-Phosphorylase B/PHKB antibody [EPR9035(2)]
Description	Rabbit monoclonal [EPR9035(2)] to Phosphorylase B/PHKB
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Phosphorylase B/PHKB aa 650-750. The exact sequence is proprietary. Database link: Q93100
Positive control	Human fetal muscle, K562, HepG2, and Human fetal heart lysates
General notes	<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> <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.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide

Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity Tissue culture supernatant
Clonality Monoclonal
Clone number EPR9035(2)
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181360 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		1/1000 - 1/10000. Predicted molecular weight: 121 kDa.

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

Target

Function Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. The beta chain acts as a regulatory unit and modulates the activity of the holoenzyme in response to phosphorylation.

Pathway Glycan biosynthesis; glycogen metabolism.

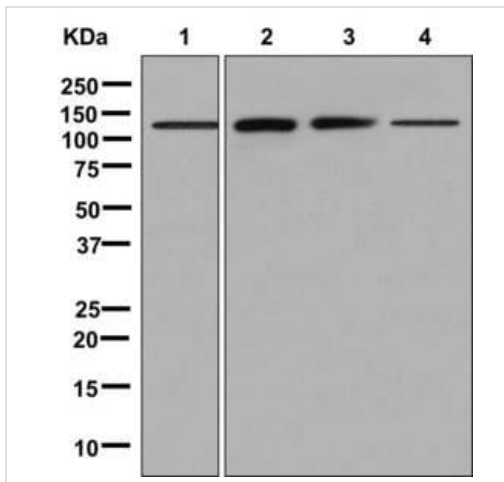
Involvement in disease Glycogen storage disease 9B

Sequence similarities Belongs to the phosphorylase b kinase regulatory chain family.

Post-translational modifications Ser-701 is probably phosphorylated by PKA. Although the final Cys may be farnesylated, the terminal tripeptide is probably not removed, and the C-terminus is not methylated.

Cellular localization Cell membrane.

Images



Western blot - Anti-Phosphorylase B/PHKB antibody [EPR9035(2)] (ab181360)

All lanes : Anti-Phosphorylase B/PHKB antibody [EPR9035(2)] (ab181360) at 1/1000 dilution

Lane 1 : Human fetal muscle lysates

Lane 2 : K562 cell lysates

Lane 3 : HepG2 cell lysates

Lane 4 : Human fetal heart lysates

Lysates/proteins at 10 µg per lane.

Predicted band size: 121 kDa

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-Phosphorylase B/PHKB antibody [EPR9035(2)] (ab181360)

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

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