

Product datasheet

Anti-Phosphorylase B antibody ab31121

Overview

Product name	Anti-Phosphorylase B antibody
Description	Sheep polyclonal to Phosphorylase B
Host species	Sheep
Specificity	Recognizes Phosphorylase B. Exhibits high crossreactivity (95-135%) with Phosphorylase A by ELISA.
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Rabbit
Immunogen	Full length native protein: Phosphorylase B from rabbit muscle

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.
Storage buffer	Preservative: None Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab31121** 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
ELISA		1/300 - 1/1000.
WB		1/500 - 1/1000. Predicted molecular weight: 121 kDa.

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.

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