

# Product Datasheet

## Phospholamban [p Ser16] Antibody - BSA Free NBP3-18744

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-18744**

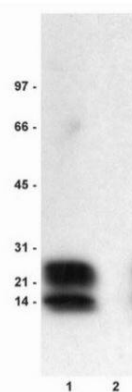
Phospholamban [p Ser16] Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.07% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	0.014 M phosphate buffer, pH 7.6, 0.175 M NaCl, and 30% glycerol.
<b>Product Description</b>	
<b>Description</b>	Handling Recommendations: Upon first thaw, and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20C. Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance. Note: Variability in freezer temperatures below -20C may cause glycerol containing solutions to become frozen during storage. Stable for 1 year at -20C from date of receipt.
<b>Host</b>	Rabbit
<b>Gene ID</b>	5350
<b>Gene Symbol</b>	PLN
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine
<b>Specificity/Sensitivity</b>	Recognizes phosphorylated phospholamban (Ser16), Mr 5-25 kDa. Additional non-specific bands may be detected, Mr 75 & 100 kDa, in some lysates.
<b>Immunogen</b>	KLH-conjugated, synthetic peptide corresponding to amino acids 14-25 of human cardiac phospholamban (RA[pS]TIEMPQQAR-C) with an added C-terminal cysteine
<b>Notes</b>	Handling Recommendations: Upon first thaw, and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20C. Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance. Note: Variability in freezer temperatures below -20C may cause glycerol containing solutions to become frozen during storage. Stable for 1 year at -20C from date of receipt.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	Western Blot: Routinely evaluated by western blot on bovine cardiac preparation that was incubated with PKA 0.5-2 ug/mL of this lot detected phosphorylated phospholamban from a bovine cardiac preparation that was incubated with 10 ug PKA for 10 minutes. DO NOT BOIL CARDIAC PREPARATION. Boiling may reduce the 25 kDa pentamer into tri-, di- or monomers. In addition, phosphorylation may disrupt the pentamer into dimers and monomers.



## Images

Western Blot-Phospholamban [p Ser16] Antibody-NBP3-18744-Bovine cardiac preparation treated with PKA (lane1) or untreated (lane 2), was probed with anti-phospho-phospholamban (0.5 ug/ml).





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005350-Q01-10ug	Recombinant Human Phospholamban GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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