

Product Datasheet

Phospholamban [p Ser16] Antibody - BSA Free NB600-1186

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB600-1186

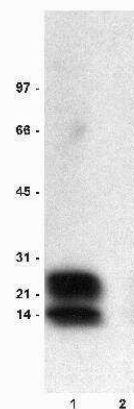
Phospholamban [p Ser16] Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4), 0.15M NaCl and 30% Glycerol
Product Description	
Description	May be stored at 4C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Host	Rabbit
Gene ID	5350
Gene Symbol	PLN
Species	Human, Bovine
Reactivity Notes	Expected to cross-react with Mouse, Rat, Rabbit, Porcine and Canine due to sequence identity.
Specificity/Sensitivity	Recognizes bovine Phospho-lamban phosphorylated (Ser16) (5-25kD). Additional non-specific bands may be detected at 75 and 100kD in some lysates.
Immunogen	Synthetic peptide corresponding to aa14-25, RA[pS]TIEMPQQAR-C of human cardiac phospholamban with a cysteine added at the C-terminal, conjugated to KLH. Species Sequence Homology: mouse, rat, rabbit, porcine and canine
Notes	May be stored at 4C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 0.5-2 ug/ml
Application Notes	Western Blot: 0.5-2ug/ml detects phosphorylated phospholamban from a bovine cardiac preparation that was incubated with 10ug PKA for 10 minutes. Bovine cardiac preparation was treated with PKA or untreated. It was resolved by electrophoresis, transferred to nitrocellulose and probed with NB600-1186 (2ug/ml). Proteins were visualized using an IgG (HRP) goat anti-rabbit and a chemiluminescence detection system. Note: Do not boil cardiac preparation. Boiling may reduce the 25kD pentamer in to tri-, di- or monomers. In addition, phosphorylation may disrupt the pentamer into dimers and monomers.



Images

Western Blot: Phospholamban [p Ser16] Antibody [NB600-1186] - Bovine cardiac preparation was treated with PKA or untreated. It was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-phospholamban. Proteins were visualized using an IgG (HRP) goat anti-rabbit and a chemiluminescence detection system.





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Products Related to NB600-1186

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

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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