

# Product Datasheet

## Phospholamban Antibody - BSA Free NBP2-19807

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-19807****Phospholamban Antibody - BSA Free**

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Preservative</b>            | 0.025% Proclin 300   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | Antigen Affinity-purified  |
| <b>Buffer</b>                  | PBS, 20% Glycerol  |
| <b>Target Molecular Weight</b> | 6 kDa  |

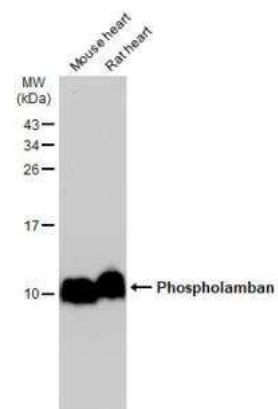
| <b>Product Description</b> |   |
|----------------------------|---|
| <b>Description</b>         | Novus Biologicals Rabbit Phospholamban Antibody - BSA Free (NBP2-19807) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Phospholamban Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Rabbit  |
| <b>Gene ID</b>             | 5350  |
| <b>Gene Symbol</b>         | PLN   |
| <b>Species</b>             | Human, Mouse, Rat   |
| <b>Reactivity Notes</b>    | Use in Porcine reported in scientific literature (PMID:33863453).   |
| <b>Immunogen</b>           | Full length human Phospholamban Recombinant protein.  |

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry  |
| <b>Recommended Dilutions</b>       | Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 33998164), Immunohistochemistry-Paraffin 1:100-1:1000 |

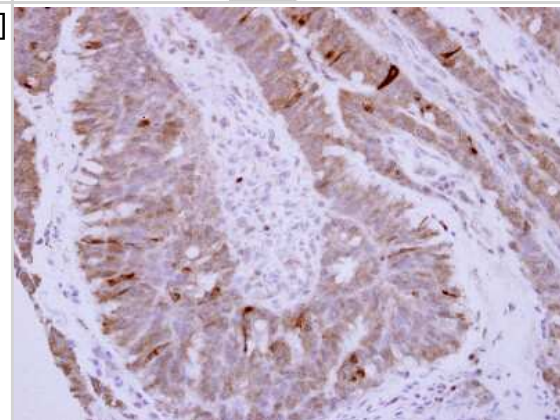


## Images

Western Blot: Phospholamban Antibody [NBP2-19807] - Various tissue extracts (50 ug) were separated by 15% SDS-PAGE, and the membrane was blotted with Phospholamban antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Immunohistochemistry-Paraffin: Phospholamban Antibody [NBP2-19807] - Human colon carcinoma, using phospholamban antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Roths M, Rudolph T, Freestone A et al. Environment-induced heat stress causes ventricular-dependent biochemical changes in the heart in female pigs *Physiological Reports* 2025-06-07 [PMID: 40483549]

Cuello F, Knaust AE, Saleem U et al. Impairment of the ER/mitochondria compartment in human cardiomyocytes with PLN p.Arg14del mutation *EMBO molecular medicine* 2021-05-16 [PMID: 33998164] (ICC/IF, Human)

Rudolph T, Mayorga E, Roth M et al. The effect of Mitoquinol (MitoQ) on heat stressed skeletal muscle from pigs, and a potential confounding effect of biological sex *Journal of Thermal Biology* 2021-04-01 [PMID: 33863453] (WB, Porcine)

Stathopoulou K, Schobesberger S, Bork NI et al. Divergent off-target effects of RSK N-terminal and C-terminal kinase inhibitors in cardiac myocytes *Cell. Signal.* 2019-07-22 [PMID: 31344438] (WB, Rat, Mouse)



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### **Products Related to NBP2-19807**

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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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