

# Product Datasheet

## SERCA1 ATPase Antibody (IIH11) NB120-2818

Unit Size: 100uL

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

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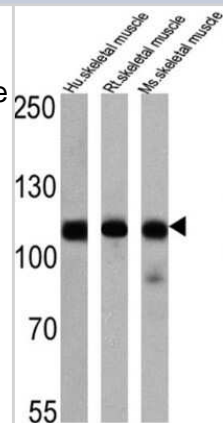


**NB120-2818****SERCA1 ATPase Antibody (IIH11)**

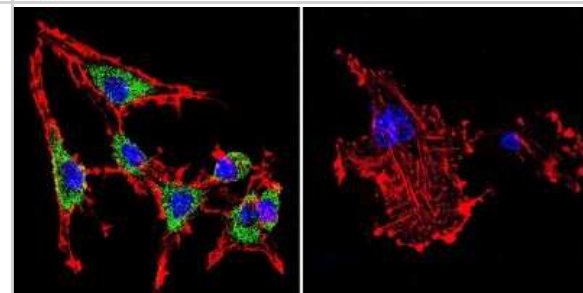
<b>Product Information</b>	
<b>Unit Size</b>	100uL
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	IIH11
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites diluted with PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	487
<b>Gene Symbol</b>	ATP2A1
<b>Species</b>	Human, Mouse, Rat, Canine, Guinea Pig, Rabbit
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Specificity/Sensitivity</b>	The NB120-2818 antigen is purified rabbit skeletal muscle sarcoplasmic reticulum. This recognizes an epitope between amino acids 199-505 of rabbit skeletal muscle ATPase, a region that is not exposed in native sarcoplasmic reticulum.
<b>Immunogen</b>	Purified rabbit skeletal muscle sarcoplasmic reticulum.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:5000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen 1:20 - 1:200
<b>Application Notes</b>	WB: Detects an approx. 110 kDa protein representing SERCA 1 ATPase in canine skeletal muscle extracts. IF: Staining of SERCA 1 ATPase in canine skeletal muscle with results in strong labeling of the entire type II (fast) myofiber.

## Images

Western Blot: SERCA1 ATPase Antibody (IIH11) [NB120-2818] - Analysis of 25 ug of human skeletal muscle (lane 1), rat skeletal muscle (lane 2) and mouse skeletal muscle (lane 3) onto an SDS polyacrylamide gel.

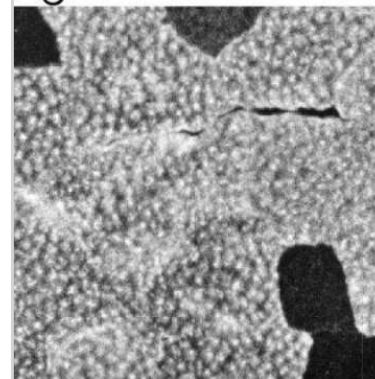


Immunocytochemistry/Immunofluorescence: SERCA1 ATPase Antibody (IIH11) [NB120-2818] - Analysis of SERCA1 ATPase using Anti-SERCA1 ATPase Monoclonal Antibody (IIH11) shows staining in C6 Cells. SERCA1 ATPase staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing SERCA1 ATPase at a dilution of 1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.

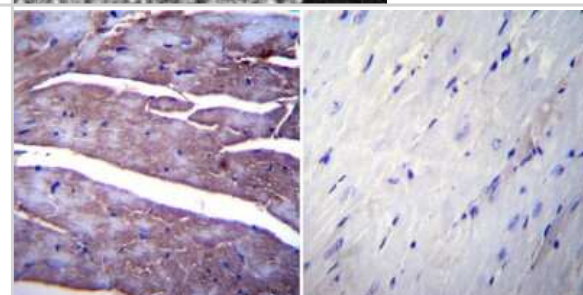


Immunohistochemistry-Paraffin: SERCA1 ATPase Antibody (IIH11) [NB120-2818] - Immunolocalization of SERCA1 ATPase in canine skeletal muscle.

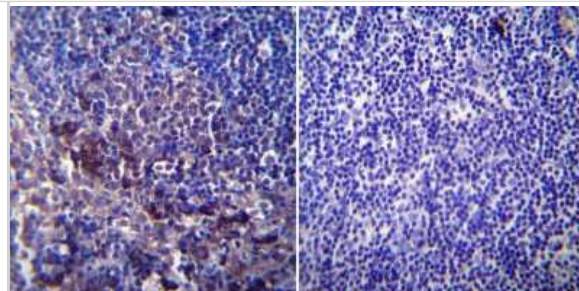
Fig. 1



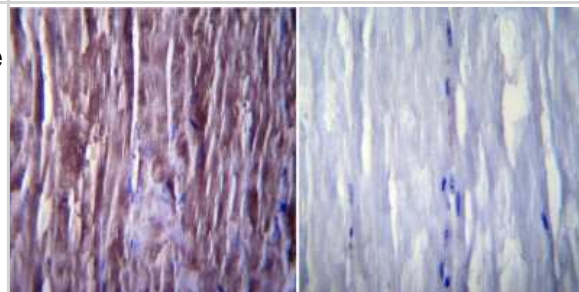
Immunohistochemistry-Paraffin: SERCA1 ATPase Antibody (IIH11) [NB120-2818] - Normal biopsies of deparaffinized Mouse heart tissue.



Immunohistochemistry-Paraffin: SERCA1 ATPase Antibody (IH11)  
[NB120-2818] - Normal biopsies of deparaffinized Mouse lymph node tissue.



Immunohistochemistry-Paraffin: SERCA1 ATPase Antibody (IH11)  
[NB120-2818] - Normal biopsies of deparaffinized Mouse skeletal muscle tissue.





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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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