

For Research Use Only

# SEPN1 Polyclonal antibody, PBS Only

Catalog Number:55333-1-PBS



## Basic Information

Catalog Number:

55333-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_020451

GeneID (NCBI):

57190

UNIPROT ID:

Q9NZV5

Full Name:

selenoprotein N, 1

Calculated MW:

66 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

SEPN1 (Selenoprotein N, 1) is a selenoprotein that plays a crucial role in maintaining cellular redox homeostasis and calcium homeostasis. It is encoded by the SEPN1 gene and is widely expressed in various tissues, particularly in skeletal muscle. (PMID: 32661288)

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

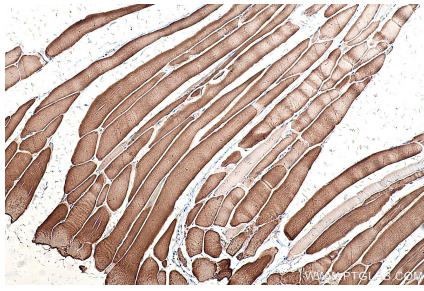
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

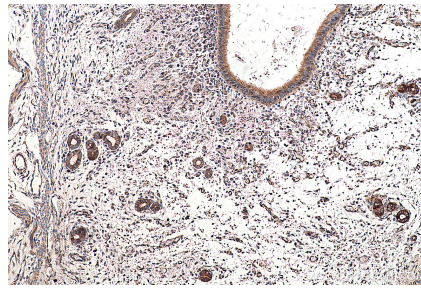
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

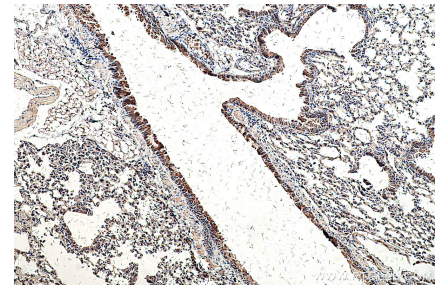
## Selected Validation Data



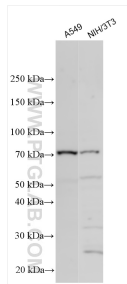
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 55333-1-AP (SEPN1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.



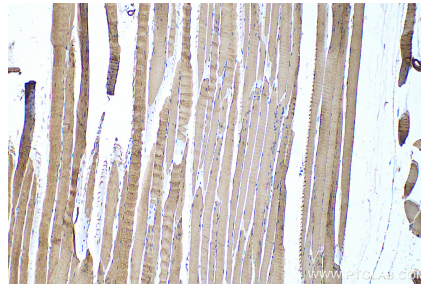
Immunohistochemical analysis of paraffin-embedded mouse uterus tissue slide using 55333-1-AP (SEPN1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.



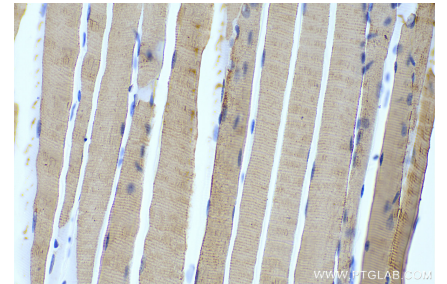
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 55333-1-AP (SEPN1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 55333-1-AP (SEPN1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 55333-1-AP (SEPN1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 55333-1-AP (SEPN1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 55333-1-PBS in a different storage buffer formulation.