

## **Nardilysin Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57355

### **Specification**

# **Nardilysin Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>O43847</u>

Reactivity
Host
Clonality
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal

Clonality Polyclon
Calculated MW 132 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human Nardilysin

Epitope Specificity 51-150/1150

Isotype IgG
Purity

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SIMILARITY
Important Note

Belongs to the peptidase M16 family.

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

affinity purified by Protein A

Buffer

This gene encodes a zinc-dependent endopeptidase that cleaves peptide substrates at the N-terminus of arginine residues in dibasic moieties and is a member of the peptidase M16 family. This protein interacts with heparin-binding EGF-like growth factor and plays a role in cell migration and proliferation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]

## **Nardilysin Polyclonal Antibody - Additional Information**

### **Gene ID** 4898

# **Other Names**

Nardilysin, 3.4.24.61, N-arginine dibasic convertase, NRD convertase, NRD-C, Nardilysin convertase {ECO:0000312|HGNC:HGNC:7995}, NRDC (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=7995" target="blank">HGNC:7995</a>), NRD1

### Target/Specificity

Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues.

#### **Dilution**

<span class ="dilution\_IHC-P">IHC-P $\sim$ N/A</span><br \><span class ="dilution\_IHC-F">IHC-F $\sim$ N/A</span><br \><span class</pre>



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="dilution IF">IF $\sim$ 1:50 $\sim$ 200</span><br/>span class ="dilution ICC">ICC $\sim$ N/A</span><br/>br \><span class ="dilution E">E~~N/A</span>

# Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

# **Nardilysin Polyclonal Antibody - Protein Information**

Name NRDC (HGNC:7995)

Synonyms NRD1

### **Function**

Cleaves peptide substrates on the N-terminus of arginine residues in dibasic pairs. Is a critical activator of BACE1- and ADAM17-mediated pro-neuregulin ectodomain shedding, involved in the positive regulation of axonal maturation and myelination. Required for proper functioning of 2-oxoglutarate dehydrogenase (OGDH) (By similarity).

#### **Cellular Location**

Mitochondrion. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8BHG1}

### **Tissue Location**

Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues

### **Nardilysin Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Nardilysin Polyclonal Antibody - Images