

**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              | <a href="#">O43847</a>                                                                                                    |
| Reactivity                     | Rat, Pig, Dog, Bovine                                                                                                     |
| Host                           | Rabbit                                                                                                                    |
| Clonality                      | Polyclonal                                                                                                                |
| Calculated MW                  | 132 KDa                                                                                                                   |
| Physical State                 | Liquid                                                                                                                    |
| Immunogen                      | KLH conjugated synthetic peptide derived from human Nardilysin                                                            |
| Epitope Specificity            | 51-150/1150                                                                                                               |
| Isotype                        | IgG                                                                                                                       |
| <b>Purity</b>                  |                                                                                                                           |
| affinity purified by Protein A |                                                                                                                           |
| Buffer                         | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| SIMILARITY                     | Belongs to the peptidase M16 family.                                                                                      |
| Important Note                 | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

**Background Descriptions**

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 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=7995](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=7995)), NRD1

**Target/Specificity**

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

**Dilution**

**IHC-P** ~ ~ N/A  
**IHC-F** ~ ~ N/A

=<span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><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 Cytometry](#)
- [Cell Culture](#)

**Nardilysin Polyclonal Antibody - Images**