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Nardilysin Rabbit pAb

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Catalog # AP57355

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O43847
Predicted	Human, Mouse, Rat, Chicken, Dog, Pig, Horse, Rabbit, Zebrafish, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	131701
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nardilysin
Epitope Specificity	51-150/1150
Isotype	IgG
Purity	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]

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 (HGNC:7995), NRD1
Target/Specificity	Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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

Background

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]