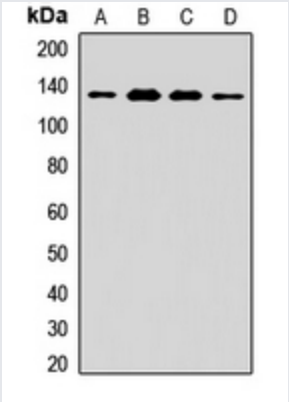
Nardilysin (NRD1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Nardilysin (NRD1), Polyclonal Antibody
Full Product Name	Rabbit anti-Nardilysin Antibody
Product Gene Name	anti-NRD1 antibody
Product Synonym Names	Nardilysin; N-arginine dibasic convertase; NRD convertase; NRD-C
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	131,572 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (52254864..52344609, complement). Location: 1p32.2-p32.1
OMIM	602651
3D Structure	ModBase 3D Structure for O43847
Immunogen	Recombinant full length protein of human Nardilysin
Product Categories/Family for anti-NRD1 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-NRD1 antibody	Western Blot (WB)
Application Notes for anti-NRD1 antibody	WB: 1:500-1:2000
Related Product Information for anti-NRD1 antibody	MBS4508409 is an antibody targeting NRD1. Also known as Rabbit anti-Nardilysin Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NRD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NRD1 antibody
Western blot analysis of Nardilysin expression in K562 (A), NIH3T3 (B), mouse testis (C), rat testis (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRD1. It may not necessarily be applicable to this product.

NCBI GI #	334358861
NCBI GeneID	4898
NCBI Accession #	NP_001229290.1
UniProt Primary Accession #	O43847
UniProt Secondary Accession #	Q8BHG1; P47245
UniProt Related Accession #	O43847
GenBank Nucleotide #	NM_001242361.1
NCBI Official Full Name	nardilysin isoform c
NCBI Official Synonym Full Names	nardilysin (N-arginine dibasic convertase)
NCBI Official Symbol	NRD1
NCBI Official Synonym Symbols	hNRD1; hNRD2
UniProt Protein Name	Nardilysin
UniProt Synonym Protein Names	N-arginine dibasic convertase
Protein Family	Negative regulator of differentiation
UniProt Gene Name	NRD1
UniProt Synonym Gene Names	NRD convertase; NRD-C
UniProt Entry Name	NRDC_HUMAN
NCBI Protein Information	nardilysin; NRD-C; NRD convertase
NCBI Summary for NRD1	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]

UniProt Comments for NRD1	Function: Cleaves peptide substrates on the N-terminus of arginine residues in dibasic pairs. Catalytic activity: Hydrolysis of polypeptides, preferably at -Xaa-|-Arg-Lys-, and less commonly at -Arg-|-Arg-Xaa-, in which Xaa is not Arg or Lys. Cofactor: Binds 1 zinc ion per subunit By similarity. Tissue specificity: Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues. Sequence similarities: Belongs to the peptidase M16 family.
Research Articles on NRD1	**1.** SH-SY5Y cells, stably transfected with green fluorescent protein-tagged-p42(IP4) show enhanced NRD protein expression already at an earlier time point after retinoic acid stimulation.
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