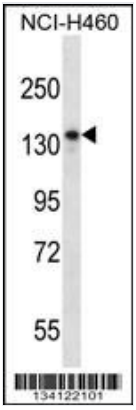
NRD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRD1, Polyclonal Antibody
Full Product Name	NRD1, ID (NRD1, Nardilysin, N-arginine dibasic convertase) (Azide free) (HRP)
Product Gene Name	anti-NRD1 antibody
Product Synonym Names	NRD1; Nardilysin; N-arginine dibasic convertase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	131,572 Da
OMIM	602651
3D Structure	ModBase 3D Structure for O43847
Immunogen	NRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 332-361 amino acids from the Central region of human NRD1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-NRD1 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-NRD1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NRD1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NRD1 antibody	NRD1 cleaves peptide substrates on the N-terminus of arginine residues in dibasic pairs.
Product References and Citations for anti-NRD1 antibody	Korovkina, V.P., et al. Am. J. Physiol., Cell Physiol. 296 (3), C433-C440 (2009): Hiraoka, Y., et al. Biochem. Biophys. Res. Commun. 370(1):154-158(2008). Bernstein, H.G., et al. Neuroscience 146(4):1513-1523(2007). Nishi, E., et al. J. Biol. Chem. 281(41):31164-31172(2006). Hospital, V., et al. Protein Pept. Lett. 11(5):501-508(2004).
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.

Searchable Terms for NRD1 purchase	MBS6326747 is an antibody targeting NRD1. Also known as NRD1, ID (NRD1, Nardilysin, N-arginine dibasic convertase) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NRD1 antibody
NRD1 Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the NRD1 antibody detected the NRD1 protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	156071452
NCBI GeneID	4898
NCBI Accession #	NP_001095132.1
NCBI Related Accession #	NP_002516.2
UniProt Primary Accession #	O43847
UniProt Secondary Accession #	O15241; O15242; Q5VUL0; Q96HB2; Q9NU57; A6NI41
UniProt Related Accession #	O43847
GenBank Nucleotide #	NM_001101662.1
NCBI Official Full Name	nardilysin isoform b
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

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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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