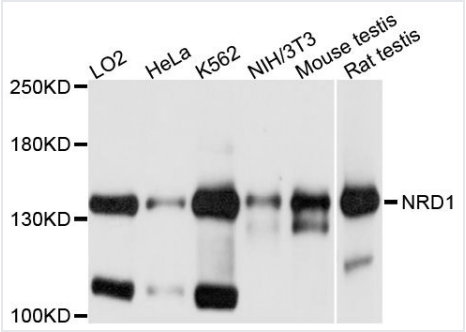
NRD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRD1, Polyclonal Antibody
Full Product Name	NRD1 Polyclonal Antibody
Product Gene Name	anti-NRD1 antibody
Product Synonym Names	hNRD1; hNRD2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 132kDa Molecular Weight: 1150
OMIM	602651
3D Structure	ModBase 3D Structure for O43847
Immunogen	Recombinant protein of human NRD1
Product Categories/Family for anti-NRD1 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NRD1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NRD1 antibody	WB: 1:200 - 1:2000, IHC: 1:20 - 1:200
Related Product Information for anti-NRD1 antibody	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.
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	MBS9129706 is an antibody targeting NRD1. Also known as NRD1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-NRD1 antibody
Western blot analysis of extracts of various cell lines, using NRD1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 1s.

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
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 convertase
NCBI Official Symbol	NRDC
NCBI Official Synonym Symbols	NRD1; hNRD1; hNRD2
UniProt Protein Name	Nardilysin
UniProt Synonym Protein Names	N-arginine dibasic convertase; NRD convertase; NRD-C; Nardilysin convertase
Protein Family	Negative regulator of differentiation
UniProt Gene Name	NRDC
UniProt Synonym Gene Names	NRD convertase; NRD-C
UniProt Entry Name	NRDC_HUMAN
NCBI Protein Information	nardilysin

UniProt Comments for NRD1	NRD1: Cleaves peptide substrates on the N-terminus of arginine residues in dibasic pairs. Belongs to the peptidase M16 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.24.61; Protease Chromosomal Location of Human Ortholog: 1p32.2-p32.1 Cellular Component: cell surface; cytosol Molecular Function: epidermal growth factor binding; metalloendopeptidase activity; protein binding; zinc ion binding Biological Process: cell migration; cell proliferation; neuromuscular junction development; positive regulation of membrane protein ectodomain proteolysis; protein processing; proteolysis; regulation of endopeptidase activity
Research Articles on NRD1	**1.** MRNA expression of NRD1 was upregulated in 56% of ESCC tissue samples.
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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