

NRD1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14048c**Specification**

NRD1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O43847
Other Accession	NP_001095132.1 , NP_002516.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	131701
Antigen Region	333-361

NRD1 Antibody (Center) - Additional Information**Gene ID** 4898**Other Names**

Nardilysin, N-arginine dibasic convertase, NRD convertase, NRD-C, NRD1

Target/Specificity

This NRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 333-361 amino acids from the Central region of human NRD1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NRD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

NRD1 Antibody (Center) - 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

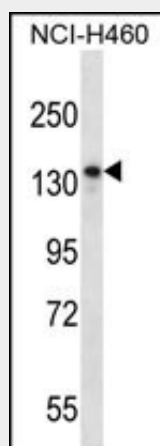
Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues

NRD1 Antibody (Center) - 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](#)

NRD1 Antibody (Center) - Images



NRD1 Antibody (Center) (Cat. #AP14048c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the NRD1 antibody detected the NRD1 protein (arrow).

NRD1 Antibody (Center) - Background

NRD1 cleaves peptide substrates on the N-terminus of arginine residues in dibasic pairs.

NRD1 Antibody (Center) - References

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)