10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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}

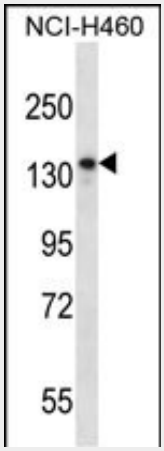
Tissue Location
Primarily in adult heart, skeletal muscle, and testis and at much lower levels in other tissues

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 Cytomety
- 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)
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Nishi, E., et al. J. Biol. Chem. 281(41):31164-31172(2006)
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