

NRD1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14048c**Specification**

NRD1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O43847](#)**NRD1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 4898**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14048c was selected from the Center region of NRD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NRD1 Antibody (Center) Blocking peptide - 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) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

NRD1 Antibody (Center) Blocking peptide - Images**NRD1 Antibody (Center) Blocking peptide - Background**

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

NRD1 Antibody (Center) Blocking peptide - 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)