

NARF Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP17343c

Specification

NARF Antibody (Center) Blocking Peptide - Product Information

Primary Accession

09UH01

NARF Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26502

Other Names

Nuclear prelamin A recognition factor, Iron-only hydrogenase-like protein 2, IOP2, NARF

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.

NARF Antibody (Center) Blocking Peptide - Protein Information

Name NARF

Cellular Location

Nucleus.

Tissue Location

Ubiquitous. Predominantly expressed in skeletal muscle, heart and brain.

NARF Antibody (Center) Blocking Peptide - Protocols

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

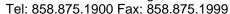
• Blocking Peptides

NARF Antibody (Center) Blocking Peptide - Images

NARF Antibody (Center) Blocking Peptide - Background

Several proteins have been found to be prenylated andmethylated at their carboxyl-terminal ends. Prenylation wasinitially believed to be important only for membrane attachment. However, another







role for prenylation appears to be its importancein protein-protein interactions. The only nuclear proteins known tobe prenylated in mammalian cells are prelamin A- and B-type lamins. Prelamin A is farnesylated and carboxymethylated on the cysteineresidue of a carboxyl-terminal CaaX motif. Thispost-translationally modified cysteine residue is removed fromprelamin A when it is endoproteolytically processed into maturelamin A. The protein encoded by this gene binds to the prenylated prelamin A carboxyl-terminal tail domain. It may be a component of a prelamin A endoprotease complex. The encoded protein is located in the nucleus, where it partially colocalizes with the nuclearlamina. It shares limited sequence similarity with iron-onlybacterial hydrogenases. Alternatively spliced transcript variantsencoding different isoforms have been identified for this gene, including one with a novel exon that is generated by RNA editing.

NARF Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Moller-Krull, M., et al. J. Mol. Biol. 382(3):601-609(2008)Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :Lattanzi, G., et al. J. Cell. Biochem. 102(5):1149-1159(2007)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)