



Anti-NARF (aa 156-349) polyclonal antibody (DPABH-03991)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

Several proteins have been found to be prenylated and methylated at their carboxyl-terminal ends. Prenylation was initially believed to be important only for membrane attachment. However, another role for prenylation appears to be its importance in protein-protein interactions. The only nuclear proteins known to be prenylated in mammalian cells are prelamins A- and B-type lamins. Prelamin A is farnesylated and carboxymethylated on the cysteine residue of a carboxyl-terminal CaaX motif. This post-translationally modified cysteine residue is removed from prelamins A when it is endoproteolytically processed into mature lamin A. The protein encoded by this gene binds to the prenylated prelamins A carboxyl-terminal tail domain. It may be a component of a prelamins A endoprotease complex. The encoded protein is located in the nucleus, where it partially colocalizes with the nuclear lamina. It shares limited sequence similarity with iron-only bacterial hydrogenases. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene, including one with a novel exon that is generated by RNA editing.

Immunogen	Recombinant fragment, corresponding to a region within internal amino acids 156-349 of Human NARF (Uniprot ID: Q9UHQ1).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ICC/IF
Format	Liquid

Size	100 µl
Buffer	pH: 7.00; Constituents: 78% PBS, 20% Glycerol, 1% BSA
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NARF nuclear prelamin A recognition factor [Homo sapiens]
Official Symbol	NARF
Synonyms	NARF; nuclear prelamin A recognition factor; DKFZp434G0420; FLJ10067; IOP2; iron only hydrogenase like protein 2; iron-only hydrogenase-like protein 2; prenyl-dependent prelamin A binding protein;
Entrez Gene ID	26502
Protein Refseq	NP_001033707
UniProt ID	Q9UHQ1
Chromosome Location	17q25.3
Function	lamin binding;