



Anti-NARF (aa 1-100) polyclonal antibody (DPAB-DC1306)

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 prelamin 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 prelamin A when it is endoproteolytically processed into mature lamin 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 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 | NARF (NP_114174, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MKCEHCTRKECSKKTCTDDQENVSAAPSPAQENGEGKGEFHKLADAKIFLSDCLACDSCMTAEEGVQLSQNAKDFFRVLNLNKKCDTSKHKVLVVSVC |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |

| | |
|---------------------|--|
| 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 (human)] |
| Official Symbol | NARF |
| Synonyms | NARF; nuclear prelamin A recognition factor; IOP2; 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; |