



# NARF Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-14872                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applications       | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Name          | NARF                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Name       | Nuclear prelamin A recognition factor                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human NARF. AA range:262-311                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity        | NARF Polyclonal Antibody detects endogenous levels of NARF protein.                                                                                                                                                                                                                                                                                                                                                                                                         |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                       |
| Dilution           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms           | NARF; Nuclear prelamin A recognition factor; Iron-only hydrogenase-like protein 2; IOP2                                                                                                                                                                                                                                                                                                                                                                                     |
| Observed Band      | 51kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway       | Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tissue Specificity | Ubiquitous. Predominantly expressed in skeletal muscle, heart and brain.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function           | PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the NARF family.,subunit:Interacts with LMNA and binds to the farnesylated C-terminal domain.,tissue specificity:Ubiquitous. Predominantly expressed in skeletal muscle, heart and brain.,                                                                                                                                                                                                |
| Background         | 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 |

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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

**matters needing attention**

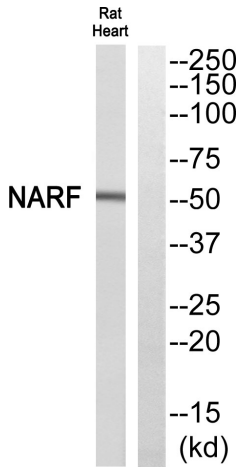
Avoid repeated freezing and thawing!

**Usage suggestions**

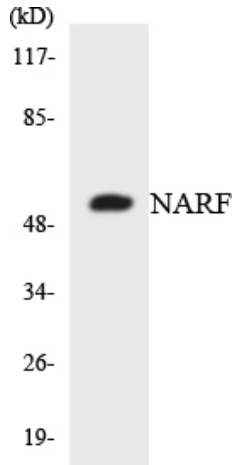
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



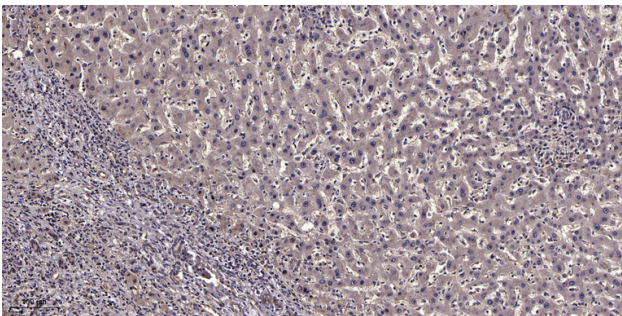
## Products Images



Western blot analysis of NARF Antibody. The lane on the right is blocked with the NARF peptide.



Western blot analysis of the lysates from 293 cells using NARF antibody.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).