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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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| | |
|----------------------------|---|
| Product Number | ARP54490_P050-Biotin |
| Product Page | www.avivasysbio.com/narf-antibody-middle-region-biotin-arp54490-p050-biotin.html |
| Name | NARF Antibody - middle region : Biotin (ARP54490_P050-Biotin) |
| Protein Size (# AA) | 502 amino acids |
| Molecular Weight | 55kDa |
| Conjugation | Biotin |
| NCBI Gene Id | 26502 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | Nuclear prelamin A recognition factor |
| Alias Symbols | IOP2 |
| Peptide Sequence | Synthetic peptide located within the following region: FRNIQN MILK LKKGKFPFHFVEVLACAGGCLN GRGQAQTPDGHADKALLR |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Lattanzi, G., (2007) J. Cell. Biochem. 102 (5), 1149-1159 |
| Description of Target | <p>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. NARF binds to the prenylated prelamin A carboxyl-terminal tail domain. It may be a component of a prelamin A endoprotease complex. NARF is located in the nucleus, where it partially colocalizes with the nuclear lamina. It shares limited sequence similarity with iron-only bacterial hydrogenases. 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.</p> |
| Protein Interactions | UBC; LEF1; STAT5A; SHFM1; MMS19; CBX5; APP; LMNA; |
| Reconstitution and Storage | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| Datasheets/Manuals | Printable datasheet for anti-NARF (ARP54490_P050-Biotin) antibody |
| Blocking Peptide | For anti-NARF (ARP54490_P050-Biotin) antibody is Catalog # AAP54490 (Previous Catalog # AAPP31270) |
| Immunogen | The immunogen is a synthetic peptide directed towards the middle region of human NARF |
| Uniprot ID | Q9UHQ1-2 |
| Protein Name | Nuclear prelamin A recognition factor |
| Protein Accession # | NP_114174 |

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|---|---|
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_031968 |
| Gene Symbol | NARF |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit |
| Application | WB |
| Predicted Homology Based on Immunogen Sequence | Cow: 92%; Dog: 86%; Guinea Pig: 92%; Horse: 86%; Human: 100%; Mouse: 92%; Rabbit: 79%; Rat: 92% |
| Image 1 |  |

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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