For Research Use Only

NARF Polyclonal antibody

Catalog Number:12173-1-AP

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Basic Information

Catalog Number:
12173-1-AP

Size:
133 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2816

GenBank Accession Number:
BC016440

GeneID (NCBI):
26502

UNIPROT ID:
Q9UHQ1

Full Name:
nuclear prelamin A recognition factor

Calculated MW:
46 kDa, 53 kDa

Observed MW:
52 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000

Applications

Tested Applications:
WB,ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : human liver tissue, human lung tissue, human placenta tissue, mouse testis tissue

Background Information

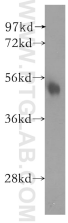
Prelamin A, is processed in the nucleus to lamin A by removal of its final 18 amino acids, including the cysteine residue in its C-terminal CAAX box, which is farnesylated. Nuclear prelamin A recognition factor (NARF) binds the farnesylated prelamin A C-terminal domain(preAct)(PMID:10514485). NARF, at 52 kDa, also named as IOP2, is a small enough protein to freely diffuse through the nuclear pore complex and may be retained within the nucleus by binding nuclear proteins and it has all of the information necessary to be imported into the nucleus(PMID:10514485). It has 3 isoforms produced by alternative splicing with the molecular mass of 51 kDa, 56 kDa and 46 kDa,respectively.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 12173-1-AP (NARF antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.