

Rabbit NARF Polyclonal Antibody | anti-NARF antibody

Anti-NARF Antibody Picoband

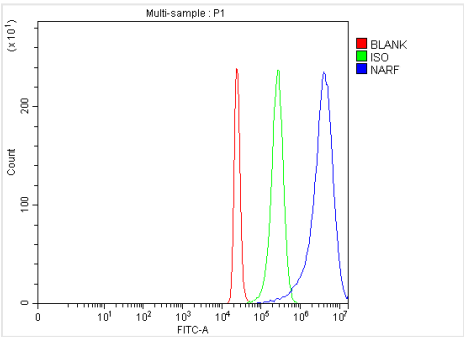
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127659	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

NARF; Polyclonal Antibody; Anti-NARF Antibody Picoband; Protein NDRG3; ring finger protein 169; E3 ubiquitin-protein ligase RNF169; RING finger protein 169; RING-type E3 ubiquitin transferase RNF169; RNF169; KIAA1991; anti-NARF antibody

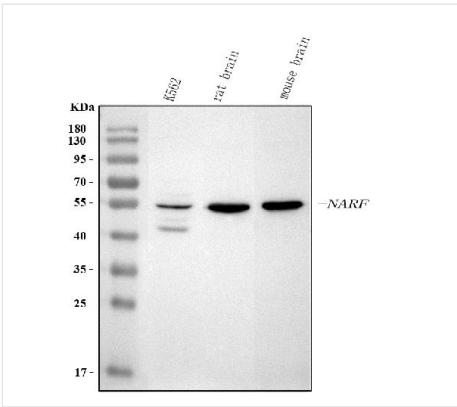
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NARF antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	E coli-derived human NARF recombinant protein (Position: H41-Q353).
Subcellular Localization	Nucleoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Probable E3 ubiquitin-protein ligase that acts as a negative regulator of double-strand breaks (DSBs) repair following DNA damage. Recruited to DSB repair sites by recognizing and binding ubiquitin catalyzed by RNF168 and competes with TP53BP1 and BRCA1 for association with RNF168-modified chromatin, thereby acting as a negative regulator of DSBs repair. E3 ubiquitin-protein ligase activity is not required for regulation of DSBs repair.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of 293T cells using anti-NARF antibody (AAA127659).Overlay histogram showing 293T cells stained with AAA127659 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NARF Antibody (AAA127659, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of NARF using anti-NARF antibody (AAA127659).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human K562 whole cell lysates,Lane 2: rat brain tissue lysates,Lane 3: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NARF antigen affinity purified polyclonal antibody (#AAA127659) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NARF at approximately 52 kDa. The expected band size for NARF is at 52 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NARF antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NARF antibody	Primary Antibodies; Hematopoietic Progenitors; Lymphoid; Stem Cells; T Lymphocytic Lineage
References	1. Barton, R. M., Worman, H. J. Prenylated prelamin A interacts with Narf, a novel nuclear protein. J. Biol. Chem. 274: 30008-30018, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	84452151
NCBI GeneID	26502
NCBI Accession #	NP_001033707.1
NCBI GenBank Nucleotide #	NM_001038618.2
UniProt Accession #	Q9UHQ1; Q96AY9; Q9BWC6; A6NCJ3; B3KPX2; K4DI98
Molecular Weight	51,156 Da
NCBI Official Full Name	nuclear prelamin A recognition factor isoform c
NCBI Official Synonym Full Names	nuclear prelamin A recognition factor
NCBI Official Symbol	NARF
NCBI Official Synonym Symbols	IOP2
NCBI Protein Information	nuclear prelamin A recognition factor; iron-only hydrogenase-like protein 2; prenyl-dependent prelamin A binding protein

UniProt Protein Name	Nuclear prelamin A recognition factor
UniProt Gene Name	NARF
UniProt Synonym Gene Names	IOP2
UniProt Entry Name	NARF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/narf-antibody-flow-cytometry-western-blot-elisa/127659>