

Rabbit anti-Human NARFL/CIAO3 Polyclonal Antibody | anti-NARFL/CIAO3 antibody

Anti-NARFL/CIAO3 Antibody Picoband

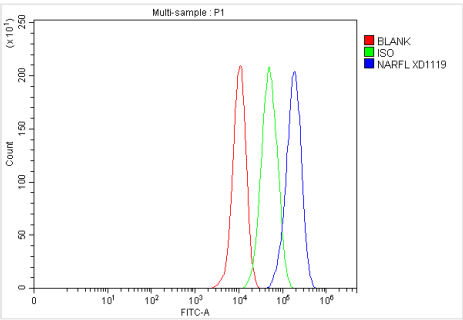
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128219	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NARFL/CIAO3; Polyclonal Antibody; Anti-NARFL/CIAO3 Antibody Picoband; Cytosolic iron-sulfur assembly component 3; cytosolic iron-sulfur assembly component 3; CIAO3; NARFL; PRN; Cytosolic Fe-S cluster assembly factor NARFL; Iron-only hydrogenase-like protein 1; IOP1; Nuclear prelamin A recognition factor-like protein; Protein related to Narf; anti-NARFL/CIAO3 antibody

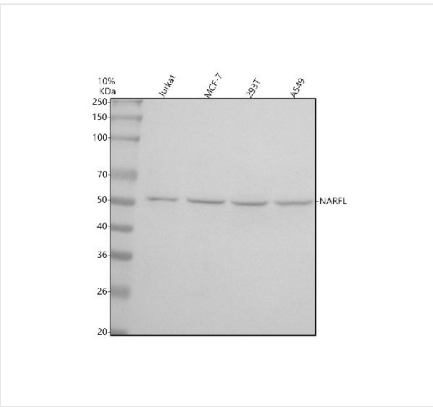
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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-NARFL/CIAO3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NARFL/CIAO3 recombinant protein (Position: Y196-W476). Human NARFL/CIAO3 shares 88.3% and 86.8% amino acid (aa) sequence identity with mouse and rat NARFL/CIAO3, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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 MCF-7 cells using anti-NARFL/CIAO3 antibody (AAA128219). Overlay histogram showing MCF-7 cells stained with AAA128219 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NARFL/CIAO3 Antibody (AAA128219, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of NARFL/CIAO3 using anti-NARFL/CIAO3 antibody (AAA128219). 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 Jurkat whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human A549 whole cell 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-NARFL/CIAO3 antigen affinity purified polyclonal antibody (AAA128219) 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 NARFL/CIAO3 at approximately 53 kDa. The expected band size for NARFL/CIAO3 is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NARFL/CIAO3 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-NARFL/CIAO3 antibody	Primary Antibodies
References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 8/19/2011.2. Huang, J., Song, D., Flores, A., Zhao, Q., Mooney, S. M., Shaw, L. M., Lee, F. S. IOP1, a novel hydrogenase-like protein that modulates hypoxia-inducible factor-1-alpha activity. Biochem. J. 401: 341-352, 2007.3. Song, D., Lee, F. S. Mouse knock-out of IOP1 protein reveals its essential role in mammalian cytosolic iron-sulfur protein biogenesis. J. Biol. Chem. 286: 15797-15805, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11968051
NCBI GeneID	64428
NCBI Accession #	NP_071938.1
NCBI GenBank Nucleotide #	NM_022493.1
UniProt Accession #	Q9H6Q4; Q53GC6; Q96S10; Q9H6J8; A1L385; B3KTJ3
Molecular Weight	53,020 Da
NCBI Official Full Name	cytosolic Fe-S cluster assembly factor NARFL
NCBI Official Synonym Full Names	nuclear prelamin A recognition factor-like
NCBI Official Symbol	NARFL

NCBI Official Synonym Symbols	PRN; HPRN; IOP1; LET1L
NCBI Protein Information	cytosolic Fe-S cluster assembly factor NARFL; LET1 like/JFP15; protein related to Narf; iron-only hydrogenase-like protein 1; nuclear prelamin A recognition factor-like protein
UniProt Protein Name	Cytosolic Fe-S cluster assembly factor NARFL
UniProt Gene Name	NARFL
UniProt Synonym Gene Names	PRN; IOP1
UniProt Entry Name	NARFL_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/narfl-ciao3-antibody-flow-cytometry-western-blot-elisa/128219>