

## Rabbit anti-Human NAP1L3 Polyclonal Antibody | anti-NAP1L3 antibody

Anti-NAP1L3 Antibody Picoband

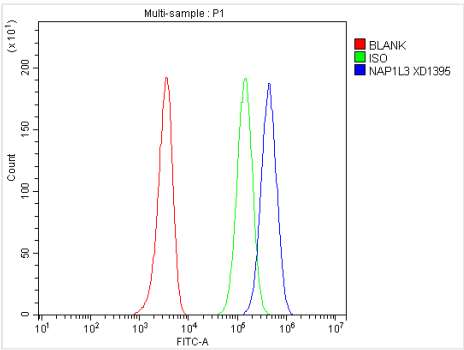
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA128218 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

NAP1L3; Polyclonal Antibody; Anti-NAP1L3 Antibody Picoband; nucleosome assembly protein 1 like 3; BNAP; Nucleosome assembly protein 1-like 3; anti-NAP1L3 antibody

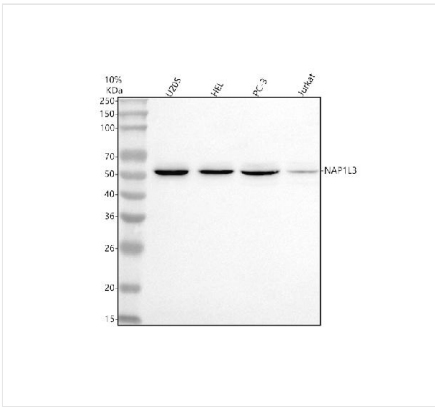
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sub>2</sub> HPO <sub>4</sub> .                                                                                                                |
| Applicable Applications for anti-NAP1L3 antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                   |
| Immunogen                                        | E coli-derived human NAP1L3 recombinant protein (Position: K77-K506). Human NAP1L3 shares 74.5% and 73% amino acid (aa) sequence identity with mouse and rat NAP1L3, 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 HEL cells using anti-NAP1L3 antibody (AAA128218).Overlay histogram showing HEL cells stained with AAA128218 (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-NAP1L3 Antibody (AAA128218, 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 NAP1L3 using anti-NAP1L3 antibody (AAA128218).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 U2OS whole cell lysates,Lane 2: human HEL whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: human Jurkat 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-NAP1L3 antigen affinity purified polyclonal antibody (AAA128218) 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 NAP1L3 at approximately 58 kDa. The expected band size for NAP1L3 is at 58 kDa.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NAP1L3 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-NAP1L3 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                |
| References                                           | 1. Watanabe, T. K., Fujiwara, T., Nakamura, Y., Hirai, Y., Maekawa, H., Takahashi, E. Cloning, expression pattern and mapping to Xq of NAP1L3, a gene encoding a peptide homologous to human and yeast nucleosome assembly proteins. Cytogenet. Cell Genet. 74: 281-285, 1996.    |

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 21327710                             |
| NCBI GeneID                      | 4675                                 |
| NCBI Accession #                 | NP_004529.2                          |
| NCBI GenBank Nucleotide #        | NM_004538.5                          |
| UniProt Accession #              | Q99457; O60788; B2RCM0               |
| Molecular Weight                 | 57,593 Da                            |
| NCBI Official Full Name          | nucleosome assembly protein 1-like 3 |
| NCBI Official Synonym Full Names | nucleosome assembly protein 1-like 3 |
| NCBI Official Symbol             | NAP1L3                               |
| NCBI Official Synonym Symbols    | MB20; NPL3                           |

|                            |                                      |
|----------------------------|--------------------------------------|
| NCBI Protein Information   | nucleosome assembly protein 1-like 3 |
| UniProt Protein Name       | Nucleosome assembly protein 1-like 3 |
| UniProt Gene Name          | <b>NAP1L3</b>                        |
| UniProt Synonym Gene Names | BNAP                                 |
| UniProt Entry Name         | NP1L3_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/nap1l3-antibody-flow-cytometry-western-blot-elisa/128218>