

## Rabbit anti-Human LARP4B Polyclonal Antibody | anti-LARP4B antibody

Anti-LARP4B Antibody Picoband

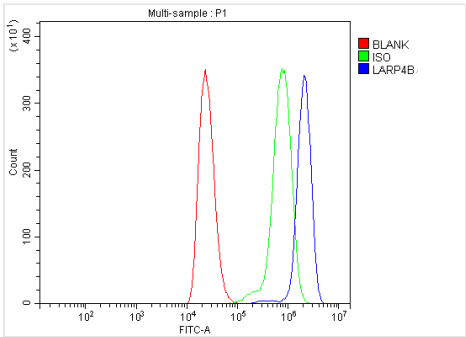
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA126521 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

LARP4B; Polyclonal Antibody; Anti-LARP4B Antibody Picoband; anti-LARP4B antibody

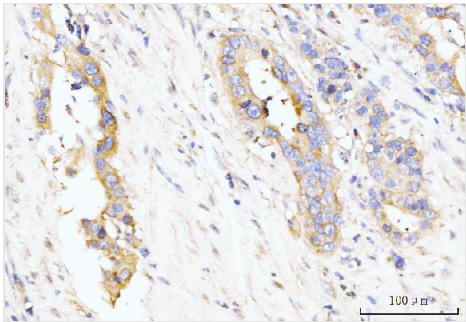
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                      | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                    | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-LARP4B antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                              |
| Reconstitution                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                        | E Coli-derived human LARP4B recombinant protein (Position: R241-K684).                                                                                                                                                       |
| Preparation and Storage                          | Store 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. |



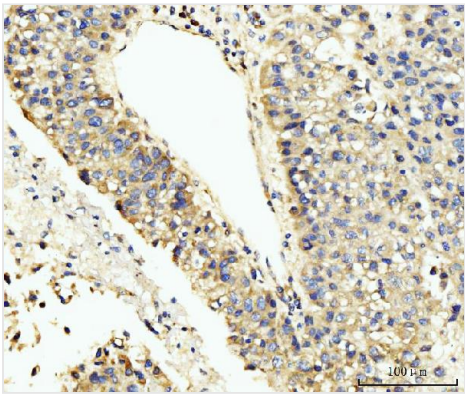
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of THP-1 cells using anti-LARP4B antibody (AAA126521).Overlay histogram showing THP-1 cells stained with AAA126521 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LARP4B Antibody (AAA126521, 1 ug/1x10<sup>6</sup> 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 (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



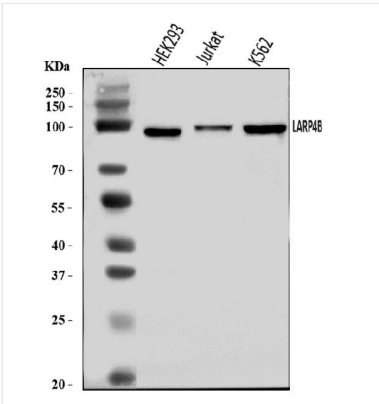
IHC (Immunohistochemistry)

Figure 2. IHC analysis of LARP4B using anti-LARP4B antibody (AAA126521).LARP4B was detected in a paraffin-embedded section of human appendiceal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-LARP4B Antibody (AAA126521) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of LARP4B using anti-LARP4B antibody (AAA126521).LARP4B was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-LARP4B Antibody (AAA126521) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of LARP4B using anti-LARP4B antibody (AAA126521).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 HEK293 whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human K562 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-LARP4B antigen affinity purified polyclonal antibody (#AAA126521) at 0.5 ug/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 LARP4B at approximately 95 kDa. The expected band size for LARP4B is at 81 kDa.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LARP4B antibody | This gene encodes a member of an evolutionarily conserved protein family implicated in RNA metabolism and translation. Members of this family are characterized by the presence of an La motif, which is often located adjacent to one or more RNA recognition motifs (RRM). Together, the two motifs constitute the functional region of the protein and enable its interaction with the RNA substrate. This protein family is divided into five sub-families: the genuine La proteins and four La-related protein (LARP) sub-families. The protein encoded by this gene belongs to LARP sub-family 4. It is a cytoplasmic protein that may play a stimulatory role in translation. |
| Product Categories/Family for anti-LARP4B antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| NCBI GI #                        | 57634536                                                                                  |
| NCBI GeneID                      | 23185                                                                                     |
| NCBI Accession #                 | NP_055970.1                                                                               |
| NCBI GenBank Nucleotide #        | NM_015155.2                                                                               |
| UniProt Accession #              | Q92615; Q5T3R3; Q5T3R4; Q5T3R5; Q68CY4; A7MD20                                            |
| Molecular Weight                 | 80,552 Da                                                                                 |
| NCBI Official Full Name          | la-related protein 4B                                                                     |
| NCBI Official Synonym Full Names | La ribonucleoprotein domain family, member 4B                                             |
| NCBI Official Symbol             | LARP4B                                                                                    |
| NCBI Official Synonym Symbols    | LARP5; KIAA0217                                                                           |
| NCBI Protein Information         | la-related protein 4B; la-related protein 5; La ribonucleoprotein domain family, member 5 |
| UniProt Protein Name             | La-related protein 4B                                                                     |
| UniProt Gene Name                | <b>LARP4B</b>                                                                             |
| UniProt Synonym Gene Names       | KIAA0217; LARP5                                                                           |
| UniProt Entry Name               | LAR4B_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/larp4b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126521>