

## Rabbit MAP1S Polyclonal Antibody | anti-MAP1S antibody

Anti-MAP1S Antibody Picoband

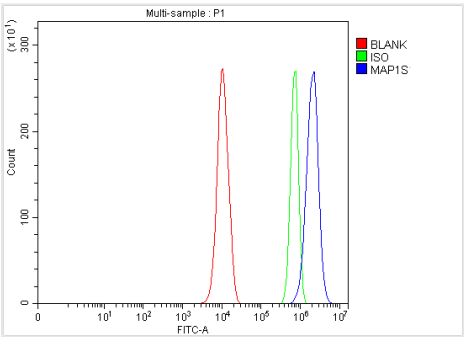
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA127226 | Rabbit | Human, Mouse, Rat | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

MAP1S; Polyclonal Antibody; Anti-MAP1S Antibody Picoband; interleukin 3 receptor subunit alpha; Interleukin-3 receptor subunit alpha; IL-3 receptor subunit alpha; IL-3R subunit alpha; IL-3R-alpha; IL-3RA; CD123; IL3RA; IL3R; anti-MAP1S antibody

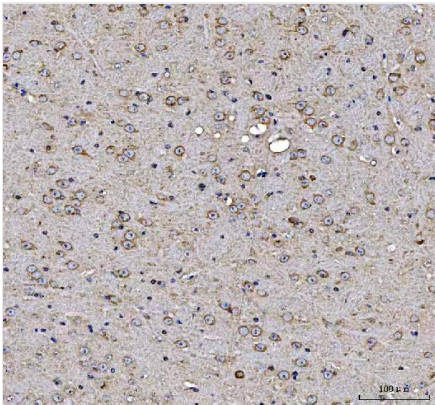
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                            |
| Specificity                                     | Brain.                                                                                                                                                                                                                |
| 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-MAP1S antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                       |
| Immunogen                                       | E coli-derived human MAP1S recombinant protein (Position: D45-H1021).                                                                                                                                                 |
| Subcellular Localization                        | Membrane. Single-pass type I membrane protein.                                                                                                                                                                        |
| 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                                | This is a receptor for interleukin-3.                                                                                                                                                                                 |
| 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. |



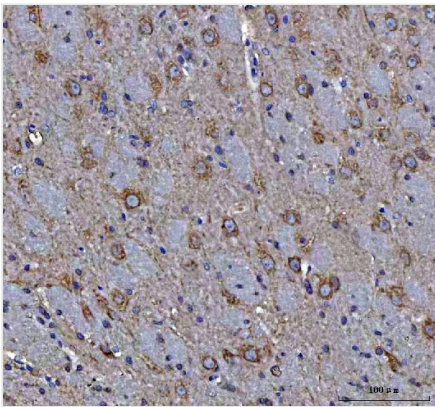
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of PC-3 cells using anti-MAP1S antibody (AAA127226).Overlay histogram showing PC-3 cells stained with AAA127226 (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-MAP1S Antibody (AAA127226, 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.



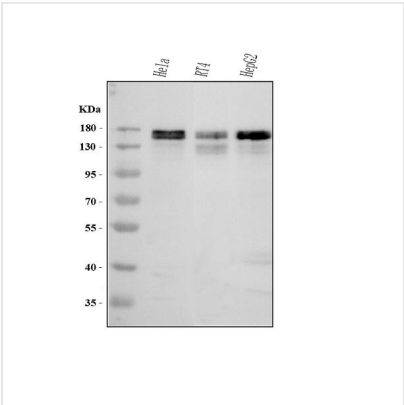
IHC (Immunohistochemistry)

Figure 2. IHC analysis of MAP1S using anti-MAP1S antibody (AAA127226).MAP1S was detected in a paraffin-embedded section of mouse brain 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 2ug/ml rabbit anti-MAP1S Antibody (AAA127226) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of MAP1S using anti-MAP1S antibody (AAA127226).MAP1S was detected in a paraffin-embedded section of rat brain 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 2ug/ml rabbit anti-MAP1S Antibody (AAA127226) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MAP1S using anti-MAP1S antibody (AAA127226).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 Hela whole cell lysates,Lane 2: human RT4 whole cell lysates,Lane 3: human HepG2 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-MAP1S antigen affinity purified polyclonal antibody (#AAA127226) 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 MAP1S at approximately 150 kDa. The expected band size for MAP1S is at 112 kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MAP1S 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-MAP1S antibody   | Primary Antibodies; Adaptive Immunity; B Cells; Hematopoietic Progenitors; Immunoglobulins; Immunology; Lymphoid; Receptors; Stem Cells                                                                                                                                           |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Gross, M. B. Personal Communication. Baltimore, Md. 4/10/2014.2. Liu, L., McKeegan, W. L. Sequence analysis of LRPPRC and its SEC1 domain interaction partners suggest roles in cytoskeletal organization, vesicular trafficking, nucleocytoplasmic shuttling, and chromosome activity. Genomics 79: 124-136, 2002. 3. Wang, W., Lundin, V. F., Millan, I., Zeng, A., Chen, X., Yang, J., Allen, E., Chen, N., Bach, G., Hsu, A., Maloney, M. T., Kapur, M., Yang, Y. Nemin, a novel Map8/Map1s interacting protein with Wd40 repeats. PLoS ONE 7: e33094, 2012. Note: Electronic Article. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 160410004                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 55201                                                                                                                                                                                                                                             |
| UniProt Accession #              | Q66K74; Q27QB1; Q6NXF1; Q8N3L8; Q8N3W5; Q8NI88; Q96H94; Q96IT4; Q96SP8; Q9BRC6; Q9H928; B4DH53                                                                                                                                                    |
| Molecular Weight                 | 1059                                                                                                                                                                                                                                              |
| NCBI Official Full Name          | Microtubule-associated protein 1S                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | microtubule-associated protein 1S                                                                                                                                                                                                                 |
| NCBI Official Symbol             | MAP1S                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | MAP8; BPY2IP1; C19orf5; VCY2IP1; VCY2IP-1                                                                                                                                                                                                         |
| NCBI Protein Information         | microtubule-associated protein 1S; MAP-1S; BPY2 interacting protein 1; BPY2-interacting protein 1; VCY2 interacting protein 1; VCY2-interacting protein 1; microtubule-associated protein 8; variable charge Y chromosome 2-interacting protein 1 |
| UniProt Protein Name             | Microtubule-associated protein 1S                                                                                                                                                                                                                 |
| UniProt Gene Name                | MAP1S                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | BPY2IP1; C19orf5; MAP8; VCY2IP1; MAP-1S; VCY2-interacting protein 1; VCY2IP-1                                                                                                                                                                     |
| UniProt Entry Name               | MAP1S_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.