

# LAP3 Recombinant Rabbit mAb

Catalog # AP100056

## Product Information

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| <b>Application</b>             | WB, IHC-P, IHC-F, IF                                                                                                                                                       |
| <b>Primary Accession</b>       | <a href="#">P28838</a>                                                                                                                                                     |
| <b>Other Accession</b>         | <a href="#">P28838</a>                                                                                                                                                     |
| <b>Host</b>                    | Rabbit                                                                                                                                                                     |
| <b>Clonality</b>               | Recombinant                                                                                                                                                                |
| <b>Calculated MW</b>           | 56166                                                                                                                                                                      |
| <b>Physical State</b>          | Liquid                                                                                                                                                                     |
| <b>Immunogen</b>               | A synthesized peptide derived from human LAP3                                                                                                                              |
| <b>Epitope Specificity</b>     | 11-74                                                                                                                                                                      |
| <b>Isotype</b>                 | IgG                                                                                                                                                                        |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                             |
| <b>Buffer</b>                  | 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.                                                           |
| <b>SIMILARITY</b>              | Belongs to the peptidase M17 family.                                                                                                                                       |
| <b>SUBUNIT</b>                 | Homohexamer.                                                                                                                                                               |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                  |
| <b>Background Descriptions</b> | Presumably involved in the processing and regular turnover of intracellular proteins. Catalyzes the removal of unsubstituted N-terminal amino acids from various peptides. |

## Additional Information

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| <b>Gene ID</b>     | 51056                                                                                                                                                                                                                                                                                                                                         |
| <b>Other Names</b> | HEL-S-106; LAP; LAPEP; PEPS; 2410015L10Rik; LAP-3; Pep-7; Pep-S; Pep7; AMPL_HUMAN; LAP3; Cysteinylglycine-S-conjugate dipeptidase; Leucine aminopeptidase 3 (LAP-3); Leucyl aminopeptidase; Peptidase S; Proline aminopeptidase; Prolyl aminopeptidase; 3.4.11.1; AMPL_MOUSE; AMPL_RAT; Leucyl aminopeptidase (LAP); leucine aminopeptidase 3 |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                               |

## Protein Information

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| <b>Name</b> | LAP3 ( <a href="#">HGNC:18449</a> ) |
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| <b>Function</b>          | Cytosolic metallopeptidase that catalyzes the removal of unsubstituted N-terminal hydrophobic amino acids from various peptides. The presence of Zn(2+) ions is essential for the peptidase activity, and the association with other cofactors can modulate the substrate specificity of the enzyme. For instance, in the presence of Mn(2+), it displays a specific Cys-Gly hydrolyzing activity of Cys-Gly-S- conjugates. Involved in the metabolism of glutathione and in the degradation of glutathione S-conjugates, which may play a role in the control of the cell redox status. |
| <b>Cellular Location</b> | Cytoplasm {ECO:0000250 UniProtKB:Q68FS4}.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.