

KD-Validated Anti-Leucine aminopeptidase 3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1027

Product Information

Application	WB, FC, ICC
Primary Accession	P28838
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB5965
Calculated MW	56166
Gene Name	LAP3
Aliases	LAP3; Leucine Aminopeptidase 3; LAPEP; Peptidase S; PEPS; LAP; Cysteinylglycine-S-Conjugate Dipeptidase; Cytosol Aminopeptidase; Proline Aminopeptidase; Leucyl Aminopeptidase; Prolyl Aminopeptidase; EC 3.4.11.1; Epididymis Secretory Protein Li 106; EC 3.4.13.23; EC 3.4.11.5; HEL-S-106; EC 3.4.11; LAP-3
Immunogen	A synthesized peptide derived from human LAP3

Additional Information

Gene ID	51056
Other Names	Cytosol aminopeptidase, 3.4.11.1, Prolyl aminopeptidase, LAP3 (HGNC:18449)

Protein Information

Name	LAP3 (HGNC:18449)
Function	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.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q68FS4}.

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