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LAP3 Recombinant Rabbit mAb

Catalog # AP100056

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P28838
Other Accession	P28838
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	56166
Physical State	Liquid
Immunogen	A synthesized peptide derived from human LAP3
Epitope Specificity	11-74
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the peptidase M17 family.
SUBUNIT	Homohexamer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	51056
Other Names	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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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

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 spectificity 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}.

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