

LAP3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7296a**Specification**

LAP3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P28838](#)**LAP3 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 51056

Other Names

Cytosol aminopeptidase, Leucine aminopeptidase 3, LAP-3, Leucyl aminopeptidase, Peptidase S, Proline aminopeptidase, Prolyl aminopeptidase, LAP3, LAPEP, PEPS

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7296a](/product/products/AP7296a) was selected from the N-term region of human LAP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LAP3 Antibody (N-term) Blocking Peptide - Protein InformationName 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}.

LAP3 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LAP3 Antibody (N-term) Blocking Peptide - Images

LAP3 Antibody (N-term) Blocking Peptide - Background

LAP3 is presumably involved in the processing and regular turnover of intracellular proteins. It catalyzes the removal of unsubstituted N-terminal amino acids from various peptides. Release of an N-terminal amino acid, Xaa-[Yaa-, in which Xaa is preferably Leu, but may be other amino acids including Pro, although not Arg or Lys, and Yaa may be Pro.

LAP3 Antibody (N-term) Blocking Peptide - References

Goto, Y., FEBS Lett. 580 (7), 1833-1838 (2006) Matsushima, M., Biochem. Biophys. Res. Commun. 178 (3), 1459-1464 (1991)