



## LAP3 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP7296b

## **Specification**

LAP3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P28838

LAP3 Antibody (C-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 <a href=/products/AP7296b>AP7296b</a> was selected from the C-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.

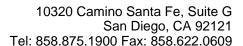
LAP3 Antibody (C-term) Blocking Peptide - Protein Information

# LAP3 Antibody (C-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 (C-term) Blocking Peptide - References

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





## Name LAP3 (HGNC:18449)

#### **Function**

Cytolosic 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}.

## LAP3 Antibody (C-term) Blocking Peptide - Protocols

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

• Blocking Peptides