

Lap3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13998**Specification**

Lap3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9CPY7
Other Accession	NM_024434 , NP_077754
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Rabbit, Chicken, Horse, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 57kDa KDa

Lap3 antibody - N-terminal region - Additional Information**Gene ID** 66988**Alias Symbol** 2410015L10Rik, AA410100, Lap, Lapep, Pep-7, Pep-S, Pep7, Peps, LAP-3**Other Names**

Cytosol aminopeptidase, 3.4.11.1, Leucine aminopeptidase 3, LAP-3, Leucyl aminopeptidase, Proline aminopeptidase, 3.4.11.5, Prolyl aminopeptidase, Lap3, Lapep

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Lap3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Lap3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Lap3 antibody - N-terminal region - Protein Information**Name** Lap3 {ECO:0000312|MGI:MGI:1914238}**Synonyms** Lapep**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.

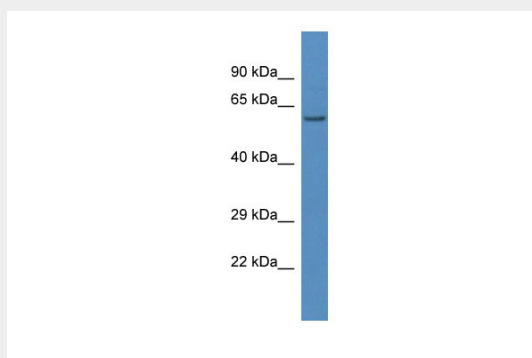
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q68FS4}.

Lap3 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lap3 antibody - N-terminal region - Images

WB Suggested Anti-Lap3 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Liver

Lap3 antibody - N-terminal region - References

Zhuang D.Z.,et al.Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.

Ebert L.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Carninci P.,et al.Science 309:1559-1563(2005).

Lubec G.,et al.Submitted (APR-2007) to UniProtKB.

Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).