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LAP3 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7296a

Specification

LAP3 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P28838
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**89-119**

LAP3 Antibody (N-term) - 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

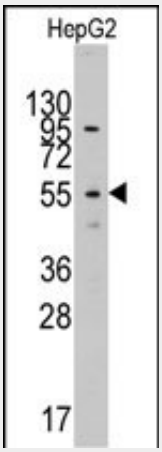
Target/Specificity
This LAP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-119 amino acids from the N-terminal region of human LAP3.

Dilution
WB~~1:1000
IHC-P~~1:10~50

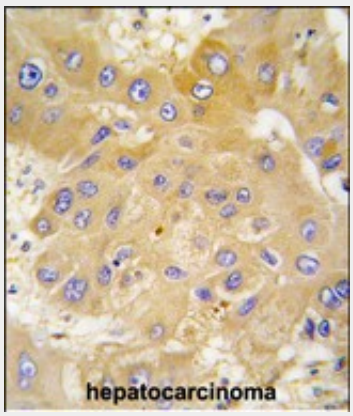
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LAP3 Antibody (N-term) is for research use



Western blot analysis of anti-LAP3(N-term) Pab (Cat.#AP7296a) in HepG2 cell line lysates (35ug/lane). LAP3(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with LAP3 antibody (N-term) (Cat.#AP7296a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

LAP3 Antibody (N-term) - Background

LAP3 is presumably involved in the processing and regular turnover of intracellular proteins. It

only and not for use in diagnostic or therapeutic procedures.

LAP3 Antibody (N-term) - Protein Information

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 (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LAP3 Antibody (N-term) - Citations

- LAP3 promotes glioma progression by regulating proliferation, migration and invasion of glioma cells.

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) - References

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