

# LAP3 Polyclonal antibody

Catalog Number: 14612-1-AP

4 Publications

## Basic Information

## Catalog Number:

14612-1-AP

## Size:

300 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG6205

## GenBank Accession Number:

BC065564

## GeneID (NCBI):

51056

## UNIPROT ID:

P28838

## Full Name:

leucine aminopeptidase 3

## Calculated MW:

56 kDa

## Observed MW:

56 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB** : HeLa cells, HepG2 cells, SH-SY5Y cells, mouse heart tissue, mouse spleen tissue, mouse lung tissue

**IHC** : human gliomas tissue,

## Background Information

LAP3 (Leucine aminopeptidase 3) is also named as LAPEP, PEPS (peptidase S) and belongs to the peptidase M17 family. It can catalyze the removal of unsubstituted N-terminal amino-acids from various peptides and be presumably involved in the processing and regular turnover of intracellular proteins. PEPS is found in a wide variety of tissues and cultured cells but not in red cells and skin. The enzyme can utilize several di-, tri-, and tetrapeptides as substrates and is the slowest migrating of the peptidases after electrophoresis. (PMID:689684).

## Notable Publications

Author	Pubmed ID	Journal	Application
Keisuke Kuhara	33893083	Cancer Genomics Proteomics	WB
Shaoping Huang	25656793	Reprod Toxicol	WB
Shuo Wang	38389573	Front Genet	IHC

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

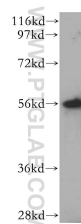
For technical support and original validation data for this product please contact:

T: 4006900926

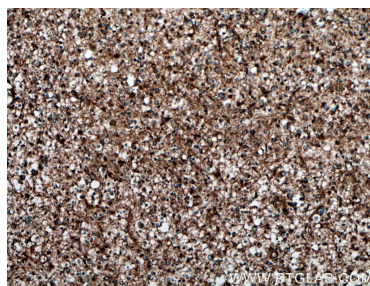
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

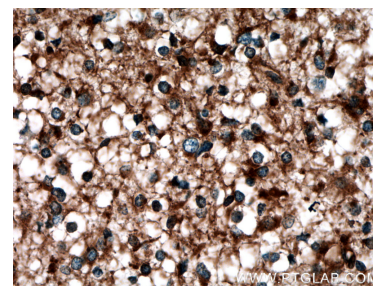
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14612-1-AP (LAP3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 14612-1-AP (LAP3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 14612-1-AP (LAP3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).