

Product Name: KD-Validated Leucine Aminopeptidase 3 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01797

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,IHC-P
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 56.2kDa

Antigen Information

Gene Name	LAP3
Alternative Names	LAP3; Leucine Aminopeptidase 3; LAPEP; Peptidase S; PEPS; LAP; Cysteinylglycine-S-Conjugate Dipeptidase; Cytosol Aminopeptidase; Proline Aminopeptidase; Leucyl Aminopeptidase; Prolyl Aminopeptidase; EC 3.4.11.1; Epididymis Secretory Protein Li 106; EC 3.4.13.23; EC 3.4.11.5; HEL-S-106; EC 3.4.11;LAP-3
Gene ID	51056.0
SwissProt ID	P28838
Immunogen	A synthesized peptide derived from human LAP3

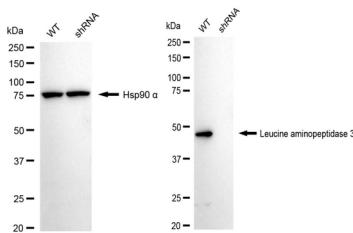
Background

Predicted to enable peptidase activity. Predicted to be involved in proteolysis. Located in several cellular components, including extracellular exosome; focal adhesion; and mitochondrion. [provided by Alliance of Genome Resources, Jul 2025]

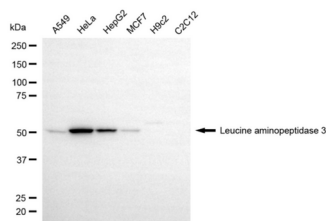
Research Area

Signal Transduction, Cardiovascular, Metabolism

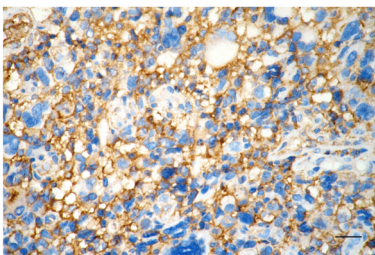
Image Data



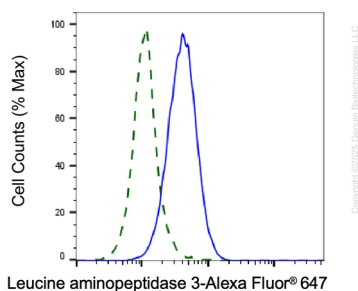
Western blotting analysis using leucine aminopeptidase 3 antibody (KVA01797). Leucine aminopeptidase 3 expression in wild type (WT) and leucine aminopeptidase 3 (LAP3) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with leucine aminopeptidase 3 antibody (KVA01797, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



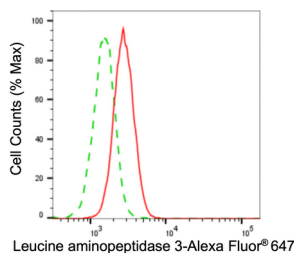
Western blotting analysis using leucine aminopeptidase 3 antibody (KVA01797). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with leucine aminopeptidase 3 antibody (KVA01797, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human glioblastoma using leucine aminopeptidase 3 antibody (KVA01797, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Validation of Leucine aminopeptidase 3 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Leucine aminopeptidase 3 antibody (KVA01797, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of leucine aminopeptidase 3 expression in HAP-1 cells using Leucine aminopeptidase 3 antibody (KVA01797, 1:2,000). Green, isotype control; red, leucine aminopeptidase 3.