
Product Name: KD-Validated Dipeptidyl Peptidase 3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01113**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 82.6kDa

Antigen Information

Gene Name	DPP3 DPP3; Dipeptidyl Peptidase 3; Enkephalinase B; Dipeptidyl Aminopeptidase III; Dipeptidyl
Alternative Names	Arylamidase III; Dipeptidyl Peptidase III; EC 3.4.14.4; DPP III; Dipeptidylpeptidase III; Dipeptidyl-Peptidase 3; Dipeptidylpeptidase 3; DPPIII
Gene ID	10072.0
SwissProt ID	Q9NY33
Immunogen	A synthesized peptide derived from human DPP3

Background

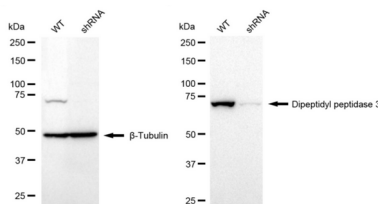
This gene encodes a protein that is a member of the M49 family of metallopeptidases. This cytoplasmic protein binds a single

zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2012]

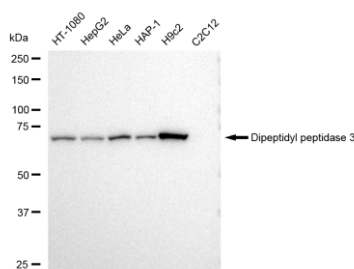
Research Area

Cell Biology

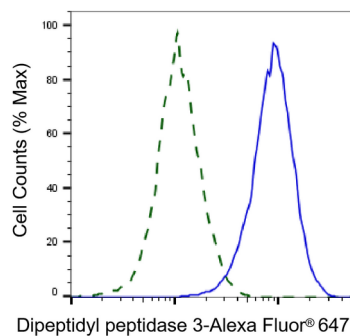
Image Data



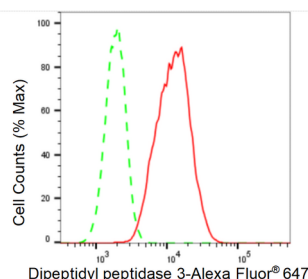
Western blotting analysis using dipeptidyl peptidase 3 antibody (KVA01113). Dipeptidyl peptidase 3 expression in wild type (WT) and dipeptidyl peptidase 3 (DPP3) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with dipeptidyl peptidase 3 antibody (KVA01113, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Dipeptidyl peptidase 3 antibody (KVA01113). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Dipeptidyl peptidase 3 antibody (KVA01113, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of Dipeptidyl peptidase 3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Dipeptidyl peptidase 3 antibody (KVA01113, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Dipeptidyl peptidase 3 expression in H9c2 cells using Dipeptidyl peptidase 3 antibody (KVA01113, 1:2,000). Green, isotype control; red, Dipeptidyl peptidase 3.