

Product Name: KD-Validated DPP8 Mouse Monoclonal Antibody**Catalog #: KVA00566**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 103.4kDa

Antigen Information

Gene Name	DPP8
Alternative Names	DPP8; Dipeptidyl Peptidase 8; DPRP1; DP8; Dipeptidyl Peptidase VIII; Prolyl Dipeptidase DPP8; MSTP141; Dipeptidyl Peptidase IV-Related Protein 1; FLJ14920; FLJ20283; MGC26191; DPP VIII; DPRP-1; Dipeptidyl Peptidase IV-Related Protein-1; Dipeptidyl-Peptidase 8; Dipeptidylpeptidase 8; EC 3.4.14.5; MSTP097; MSTP135; MST097
Gene ID	54878.0
SwissProt ID	Q6V1X1
Immunogen	Recombinant protein of human DPP8

Background

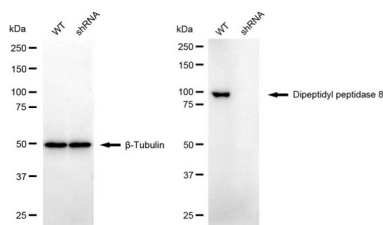
This gene encodes a member of the peptidase S9B family, a small family of dipeptidyl peptidases that are able to cleave peptide

substrates at a prolyl bond. The encoded protein shares similarity with dipeptidyl peptidase IV in that it is ubiquitously expressed, and hydrolyzes the same substrates. These similarities suggest that, like dipeptidyl peptidase IV, this protein may play a role in T-cell activation and immune function. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

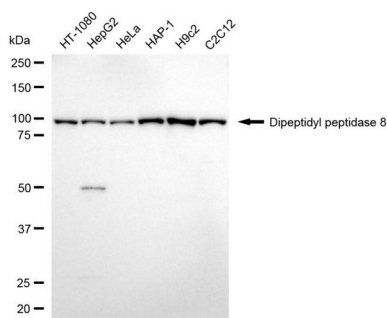
Research Area

Cell Biology

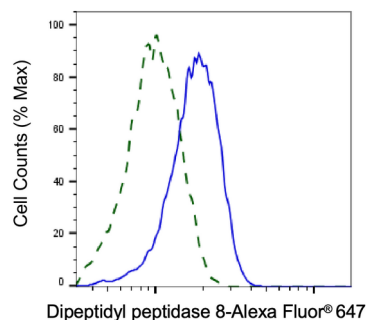
Image Data



Western blotting analysis using dipeptidyl peptidase 8 antibody (KVA00566). Dipeptidyl peptidase 8 expression in wild type (WT) and dipeptidyl peptidase 8 (DPP8) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with dipeptidyl peptidase 8 antibody (KVA00566, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using dipeptidyl peptidase 8 antibody (KVA00566). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dipeptidyl peptidase 8 antibody (KVA00566, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of Dipeptidyl peptidase 8 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Dipeptidyl peptidase 8 antibody (KVA00566, 1:2,000) and analyzed using BD flow cytometer.