

Product Name: KD-Validated Tripeptidyl Peptidase 2 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00880

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 138.4kDa

Antigen Information

Gene Name	TPP2
Alternative Names	TPP2; Tripeptidyl Peptidase 2; TPPII; Tripeptidyl Aminopeptidase; Tripeptidyl-Peptidase II; Tripeptidyl-Peptidase; EC 3.4.14.10; TPP-II; TPP-2; Tripeptidyl Peptidase II; IMD78
Gene ID	7174.0
SwissProt ID	P29144
Immunogen	A synthesized peptide derived from human Tripeptidyl peptidase II

Background

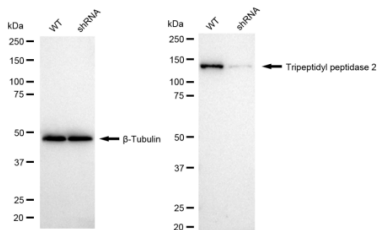
This gene encodes a mammalian peptidase that, at neutral pH, removes tripeptides from the N terminus of longer peptides. The protein has a specialized function that is essential for some MHC class I antigen presentation. The protein is a high

molecular mass serine exopeptidase; the amino acid sequence surrounding the serine residue at the active site is similar to the peptidases of the subtilisin class rather than the trypsin class. [provided by RefSeq, Jul 2008]

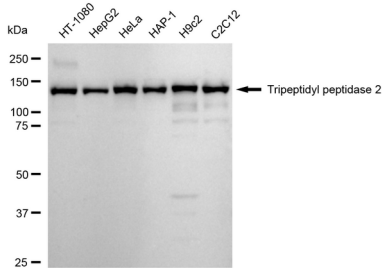
Research Area

Immunology, Cell Biology

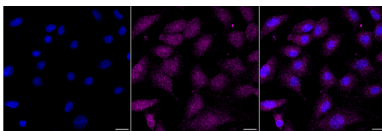
Image Data



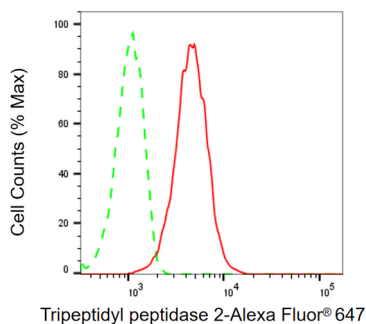
Western blotting analysis using Tripeptidyl peptidase 2 antibody (KVA00880). Tripeptidyl peptidase 2 expression in wild type (WT) and Tripeptidyl peptidase 2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Tripeptidyl peptidase 2 antibody (KVA00880, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Tripeptidyl peptidase 2 antibody (KVA00880). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Tripeptidyl peptidase 2 antibody (KVA00880, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Tripeptidyl peptidase 2 antibody (KVA00880, 1:1,000). Nuclei were stained blue with DAPI; Tripeptidyl peptidase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of Tripeptidyl peptidase 2 expression in C2C12 cells using Tripeptidyl peptidase 2 antibody (KVA00880, 1:2,000). Green, isotype control; red, Tripeptidyl peptidase 2.