

Product Name: KD-Validated CLPTM1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01641

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 76.1kDa

Antigen Information

Gene Name	CLPTM1 CLPTM1; CLPTM1 Regulator Of GABA Type A Receptor Forward Trafficking; Cleft Lip And
Alternative Names	Palate Associated Transmembrane Protein 1; Cleft Lip And Palate Transmembrane Protein 1; Putative Lipid Scramblase CLPTM1; CLPTM1, Transmembrane Protein
Gene ID	1209.0
SwissProt ID	O96005
Immunogen	A synthesized peptide derived from CLPTM1

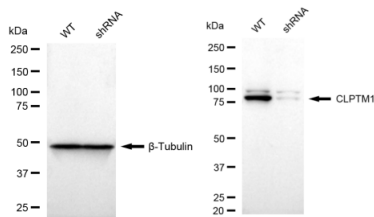
Background

Predicted to enable GABA receptor binding activity. Predicted to be involved in regulation of T cell differentiation in thymus. Located in membrane. [provided by Alliance of Genome Resources, Apr 2025]

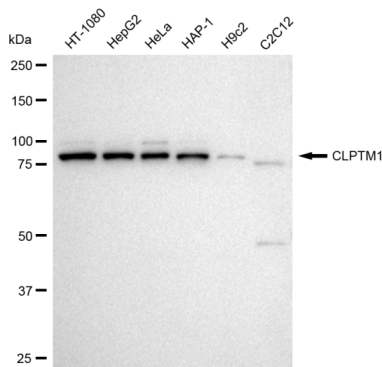
Research Area

Cell Biology

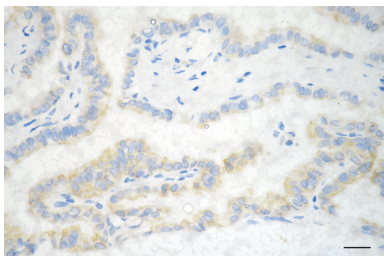
Image Data



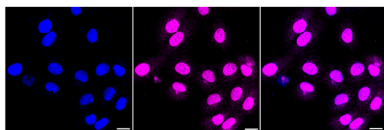
Western blotting analysis using CLPTM1 antibody (KVA01641). CLPTM1 expression in wild type (WT) and CLPTM1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CLPTM1 antibody (KVA01641, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



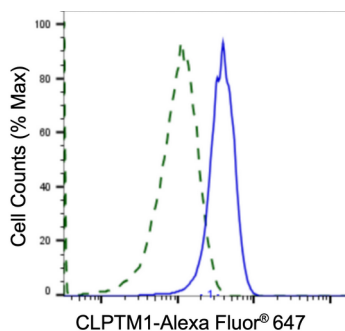
Western blotting analysis using CLPTM1 antibody (KVA01641). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CLPTM1 antibody (KVA01641, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



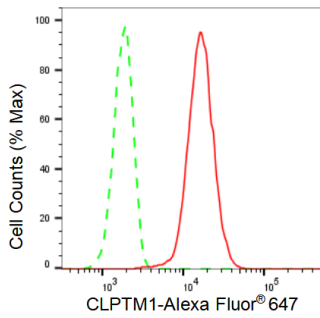
Immunohistochemistry was performed on paraffin-embedded human papillary thyroid carcinoma using CLPTM1 antibody (KVA01641, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HT-1080 cells with CLPTM1 antibody (KVA01641, 1:1,000). Nuclei were stained blue with DAPI; CLPTM1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of CLPTM1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with CLPTM1 antibody (KVA01641, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CLPTM1 expression in HT-1080 cells using CLPTM1 antibody (KVA01641, 1:2,000). Green, isotype control; red, CLPTM1.