

Anti-CLPTM1 Rabbit Monoclonal Antibody

Catalog # ABO16177

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	O96005
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-CLPTM1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Additional Information

Gene ID	1209
Other Names	Putative lipid scramblase CLPTM1, Cleft lip and palate transmembrane protein 1, CLPTM1
Calculated MW	76097
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 27C56 A synthesized peptide derived from human CLPTM1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

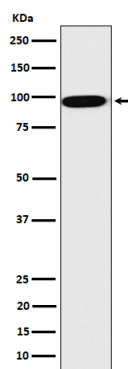
Protein Information

Name	CLPTM1
Function	Involved in GABAergic but not glutamatergic transmission. Binds and traps GABAA receptors in the endoplasmic reticulum (ER). Modulates postsynaptic

GABAergic transmission, and therefore inhibitory neurotransmission, by reducing the plasma membrane expression of these receptors. Altered GABAergic signaling is one among many causes of cleft palate (By similarity). Might function as a lipid scramblase, translocating lipids in membranes from one leaflet to the other one (By similarity). Required for efficient glycosylphosphatidylinositol (GPI) inositol deacylation in the ER, which is a crucial step to switch GPI- anchored proteins (GPI-APs) from protein folding to transport states (PubMed:[29255114](#)). May play a role in T-cell development (By similarity).

Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Widely expressed..

Images



Western blot analysis of CLPTM1 expression in HepG2 cell lysate.

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