

KD-Validated Anti-CLPTM1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1155

Product Information

Application	WB, FC, ICC
Primary Accession	O96005
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 3090
Calculated MW	76097
Gene Name	CLPTM1
Aliases	CLPTM1; CLPTM1 Regulator Of GABA Type A Receptor Forward Trafficking; Cleft Lip And Palate Associated Transmembrane Protein 1; Cleft Lip And Palate Transmembrane Protein 1; Putative Lipid Scramblase CLPTM1; CLPTM1, Transmembrane Protein
Immunogen	A synthesized peptide derived from CLPTM1

Additional Information

Gene ID	1209
Other Names	Putative lipid scramblase CLPTM1, Cleft lip and palate transmembrane protein 1, CLPTM1

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..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.