

CLPTM1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9622b**Specification**

CLPTM1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O96005](#)**CLPTM1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1209**Other Names**

Cleft lip and palate transmembrane protein 1, CLPTM1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CLPTM1 Antibody (Center) Blocking Peptide - 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..

CLPTM1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CLPTM1 Antibody (Center) Blocking Peptide - Images**CLPTM1 Antibody (Center) Blocking Peptide - Background**

CLPTM1 may play a role in T-cell development (By similarity).

CLPTM1 Antibody (Center) Blocking Peptide - References

Carter, T.C., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 88(2):84-93(2010) Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009) McKay, J.D., et al. Nat. Genet. 40(12):1404-1406(2008)