

TTC7A Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16342b**Specification**

TTC7A Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9ULT0](#)**TTC7A Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 57217**Other Names**

Tetratricopeptide repeat protein 7A, TPR repeat protein 7A, TTC7A, KIAA1140, TTC7

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.

TTC7A Antibody (C-term) Blocking Peptide - Protein Information**Name** TTC7A ([HGNC:19750](#))**Function**

Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane (PubMed:23229899, PubMed:24417819). The complex acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis (Probable). In the complex, plays a central role in bridging PI4KA to EFR3B and HYCC1, via direct interactions (By similarity).

Cellular Location

Cytoplasm. Cell membrane {ECO:0000250|UniProtKB:Q86TV6}. Note=Localizes to the cytosol and is recruited to the plasma membrane following interaction with EFR3 (EFR3A or EFR3B). {ECO:0000250|UniProtKB:Q86TV6}

Tissue Location

Expressed in epithelial cells of the intestine, thymus, and pancreas (at protein level).

TTC7A Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TTC7A Antibody (C-term) Blocking Peptide - Images

TTC7A Antibody (C-term) Blocking Peptide - Background

The tetratricopeptide repeat (TPR) domain is defined by a degenerate consensus sequence of 34 amino acids. TPR domain-containing proteins, such as TTC7A, have diverse functions in cell cycle control, protein transport, phosphate turnover, and protein trafficking or secretion, and they can act as chaperones or scaffolding proteins (White et al., 2005 [PubMed15718100]).

TTC7A Antibody (C-term) Blocking Peptide - References

Barber, M.J., et al. PLoS ONE 5 (3), E9763 (2010) ; Raychaudhuri, S., et al. Nat. Genet. 41(12):1313-1318(2009) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006)