

TTC35 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18405c**Specification**

TTC35 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q15006
Other Accession	B0BNG0 , Q9CRD2 , Q5E993 , Q8AVU9 , Q6INS3 , NP_055488.1
Reactivity	Human, Mouse
Predicted	Xenopus, Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34834
Antigen Region	65-91

TTC35 Antibody (Center) - Additional Information**Gene ID** 9694**Other Names**

ER membrane protein complex subunit 2, Tetratricopeptide repeat protein 35, TPR repeat protein 35, EMC2, KIAA0103, TTC35

Target/Specificity

This TTC35 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-91 amino acids from the Central region of human TTC35.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TTC35 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TTC35 Antibody (Center) - Protein Information**Name** EMC2 ([HGNC:28963](#))

Function Part of the endoplasmic reticulum membrane protein complex (EMC) that enables the energy-independent insertion into endoplasmic reticulum membranes of newly synthesized membrane proteins (PubMed:[30415835](#), PubMed:[29809151](#), PubMed:[29242231](#), PubMed:[32459176](#), PubMed:[32439656](#), PubMed:[33964204](#)). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed:[30415835](#), PubMed:[29809151](#), PubMed:[29242231](#)). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed:[30415835](#), PubMed:[29809151](#)). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed:[29809151](#), PubMed:[29242231](#)). By mediating the proper cotranslational insertion of N-terminal transmembrane domains in an N-exo topology, with translocated N-terminus in the lumen of the ER, controls the topology of multi-pass membrane proteins like the G protein-coupled receptors (PubMed:[30415835](#)). By regulating the insertion of various proteins in membranes, it is indirectly involved in many cellular processes (Probable).

Cellular Location

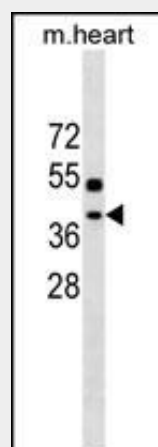
Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side Note=May also localize to the nuclear envelope {ECO:0000250|UniProtKB:Q9CRD2}

TTC35 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TTC35 Antibody (Center) - Images



TTC35 Antibody (Center) (Cat. #AP18405c) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the TTC35 Antibody detected the TTC35 protein (arrow).

TTC35 Antibody (Center) - Background

TTC35 is also known as TPR repeat protein 35. TPR domains consist of a variable number of degenerate tandem 34 amino acid repeats. TPR domains have been suggested to have a variety of functions in proteins in various subcellular compartments and appear to function as targeting domains, mediating specific protein-protein interactions.

TTC35 Antibody (Center) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)
Dreger, M., et al. Proc. Natl. Acad. Sci. U.S.A. 98(21):11943-11948(2001)
Hoja, M.R., et al. Exp. Cell Res. 259(1):239-246(2000)