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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:29242231, PubMed:29809151, PubMed:30415835, PubMed:32439656, PubMed:32459176, PubMed:33964204). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed:29242231, PubMed:29809151, PubMed:30415835). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed:29809151, PubMed:30415835). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed:29242231, PubMed:29809151). 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).

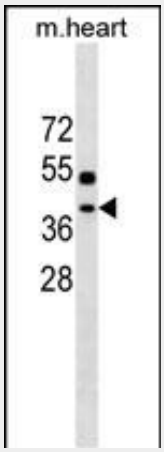
Cellular Location
Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side Note=May also localize to the nuclear envelope {ECO:0000250|UniProtKB:Q9CRD2}

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 Cytomety
- 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

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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)