

# TMEM85 Rabbit pAb

TMEM85 Rabbit pAb  
Catalog # AP54927

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">Q5J8M3</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Pig, Horse, Rabbit, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	20087
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human TMEM85
<b>Epitope Specificity</b>	2-100/183
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Membrane.
<b>SIMILARITY</b>	Belongs to the TMEM85 family.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	May mediate anti-apoptotic activity.

## Additional Information

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<b>Gene ID</b>	51234
<b>Other Names</b>	ER membrane protein complex subunit 4, Cell proliferation-inducing gene 17 protein, Transmembrane protein 85, EMC4, TMEM85
<b>Target/Specificity</b>	Isoform 1 is expressed in brain and heart. Isoform 2 is expressed in heart.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	EMC4
<b>Synonyms</b>	TMEM85

## 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](#)). 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; Multi-pass membrane protein.  
Note=Could also be a single-pass transmembrane protein with cytosolic N-terminus and luminal C-terminus.

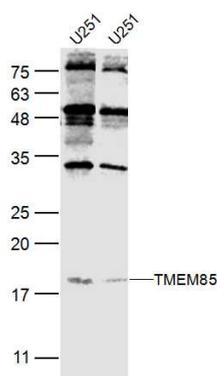
## Tissue Location

Isoform 1 is expressed in brain and heart. Isoform 2 is expressed in heart.

## Background

May mediate anti-apoptotic activity.

## Images



### Sample:

U251(Human) Cell Lysate at 40 ug

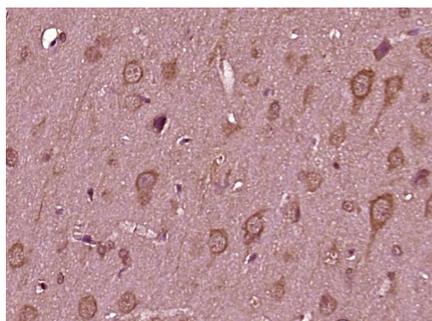
Primary: Anti-TMEM85(AP54927) at 1/500 dilution

Anti-TMEM85(AP54927) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 17 kD

Observed band size: 17 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TMEM85) Polyclonal Antibody, Unconjugated (AP54927) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.