

# Transmembrane Protein 85 Rabbit mAb

Catalog # AP76184

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">Q5J8M3</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	20087

## Additional Information

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<b>Gene ID</b>	51234
<b>Other Names</b>	EMC4
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A IP~~1:50-1:100
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	EMC4
<b>Synonyms</b>	TMEM85
<b>Function</b>	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: <a href="#">29242231</a> , PubMed: <a href="#">29809151</a> , PubMed: <a href="#">30415835</a> , PubMed: <a href="#">32439656</a> , PubMed: <a href="#">32459176</a> ). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed: <a href="#">29242231</a> , PubMed: <a href="#">29809151</a> , PubMed: <a href="#">30415835</a> ). Involved in the cotranslational insertion of multi-pass membrane proteins in which stop-transfer membrane-anchor sequences become ER membrane spanning helices (PubMed: <a href="#">29809151</a> , PubMed: <a href="#">30415835</a> ). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed: <a href="#">29242231</a> , PubMed: <a href="#">29809151</a> ). 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.

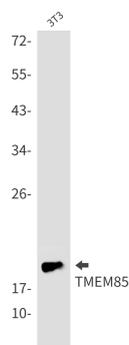
### Tissue Location

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

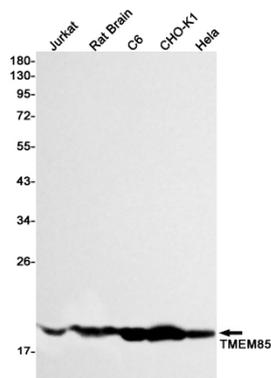
## Background

May mediate anti-apoptotic activity.

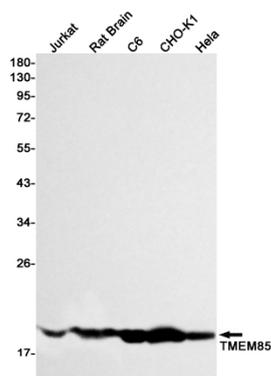
## Images



Western blot analysis of TMEM85 in 3T3 lysates using Transmembrane Protein 85 antibody.



Western blot analysis of TMEM85 in Jurkat, rat Brain, C6, CHO-K1, HeLa lysates using TMEM85 antibody.



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