

TMEM85 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54927**Specification****TMEM85 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q5J8M3
Reactivity	Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20, 17 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TMEM85
Epitope Specificity	2-100/183
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
SIMILARITY	Belongs to the TMEM85 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

May mediate anti-apoptotic activity.

TMEM85 Polyclonal Antibody - Additional Information

Gene ID 51234

Other Names

ER membrane protein complex subunit 4, Cell proliferation-inducing gene 17 protein, Transmembrane protein 85, EMC4, TMEM85

Target/Specificity

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

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

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.

TMEM85 Polyclonal Antibody - Protein Information

Name EMC4

Synonyms 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](http://www.uniprot.org/citations/29242231)), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [32439656](http://www.uniprot.org/citations/32439656), PubMed: [32459176](http://www.uniprot.org/citations/32459176)). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed: [29242231](http://www.uniprot.org/citations/29242231), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [30415835](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29809151), PubMed: [30415835](http://www.uniprot.org/citations/30415835)). It is also required for the post-translational insertion of tail-anchored/TA proteins in endoplasmic reticulum membranes (PubMed: [29242231](http://www.uniprot.org/citations/29242231), PubMed: [29809151](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.

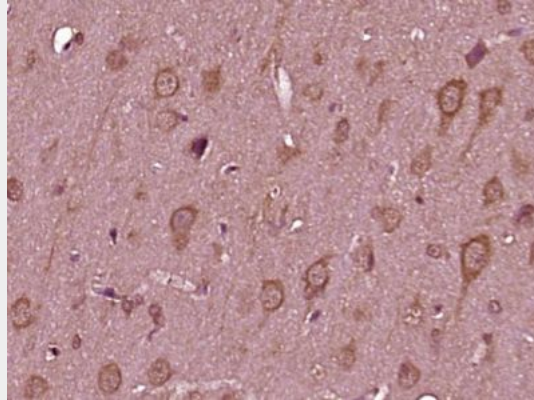
TMEM85 Polyclonal Antibody - Protocols

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

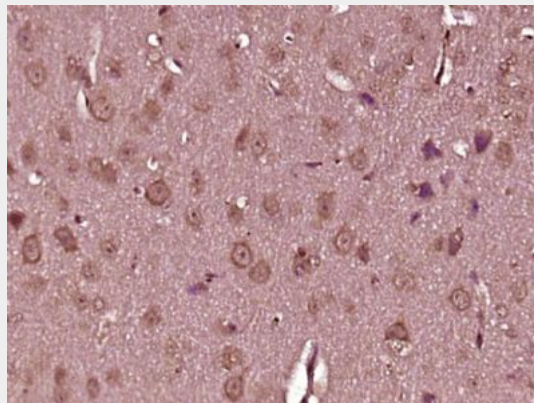
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

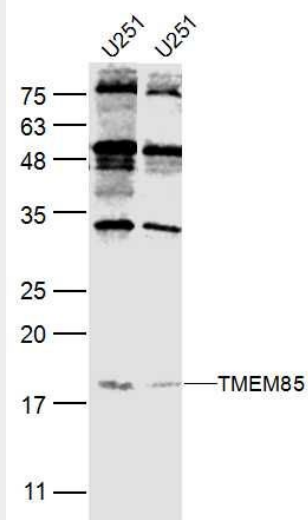
TMEM85 Polyclonal Antibody - Images



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 (bs-12665R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (bs-12665R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:

U251(Human) Cell Lysate at 40 ug

Primary: Anti-TMEM85(bs-12665R) at 1/500 dilution

Anti-TMEM85(bs-12665R) at 1/1000 dilution

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

Predicted band size: 17 kD

Observed band size: 17 kD