

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

TMEM85 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q5J8M3
Reactivity	Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20087

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

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [29242231](http://www.uniprot.org/citations/29242231), PubMed: [32459176](http://www.uniprot.org/citations/32459176), PubMed: [32439656](http://www.uniprot.org/citations/32439656)). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed: [30415835](http://www.uniprot.org/citations/30415835), PubMed: [29809151](http://www.uniprot.org/citations/29809151), PubMed: [29242231](http://www.uniprot.org/citations/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; Multi-pass membrane protein. Note=Could also be a single-pass transmembrane protein with cytosolic N-terminus and luminal C-terminus.

Tissue Location

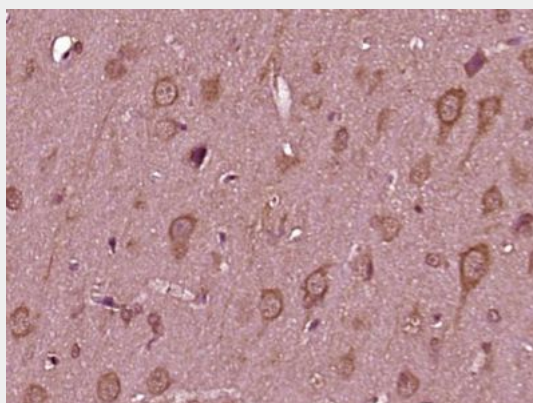
Isoform 1 is expressed in brain and heart. Isoform 2 is expressed in heart.

TMEM85 Polyclonal Antibody - Protocols

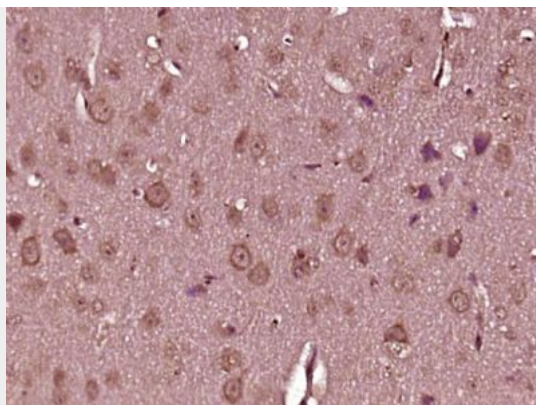
Provided below are standard protocols that you may find useful for product applications.

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

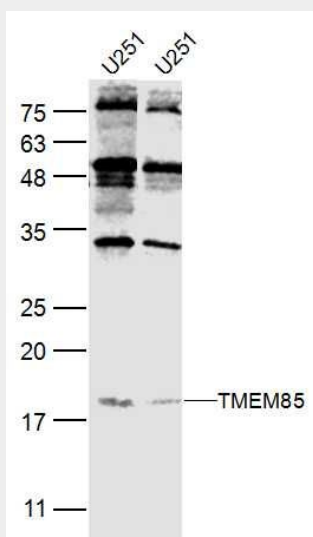
TMEM85 Polyclonal Antibody - Images



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