

EMC4 Antibody
Rabbit mAb
Catalog # AP93036**Specification**

EMC4 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	Q5J8M3
Reactivity	Rat
Clonality	Monoclonal
Other Names	
EMC4; PIG17; tmem85; Transmembrane protein 85;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20087 Da

EMC4 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human EMC4
Description	May mediate anti-apoptotic activity.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

EMC4 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) target="_blank">29242231, PubMed: [29809151](http://www.uniprot.org/citations/29809151) target="_blank">29809151, PubMed: [30415835](http://www.uniprot.org/citations/30415835) target="_blank">30415835, PubMed: [32439656](http://www.uniprot.org/citations/32439656) target="_blank">32439656, PubMed: [32459176](http://www.uniprot.org/citations/32459176) target="_blank">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) target="_blank">29242231).

target="_blank">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

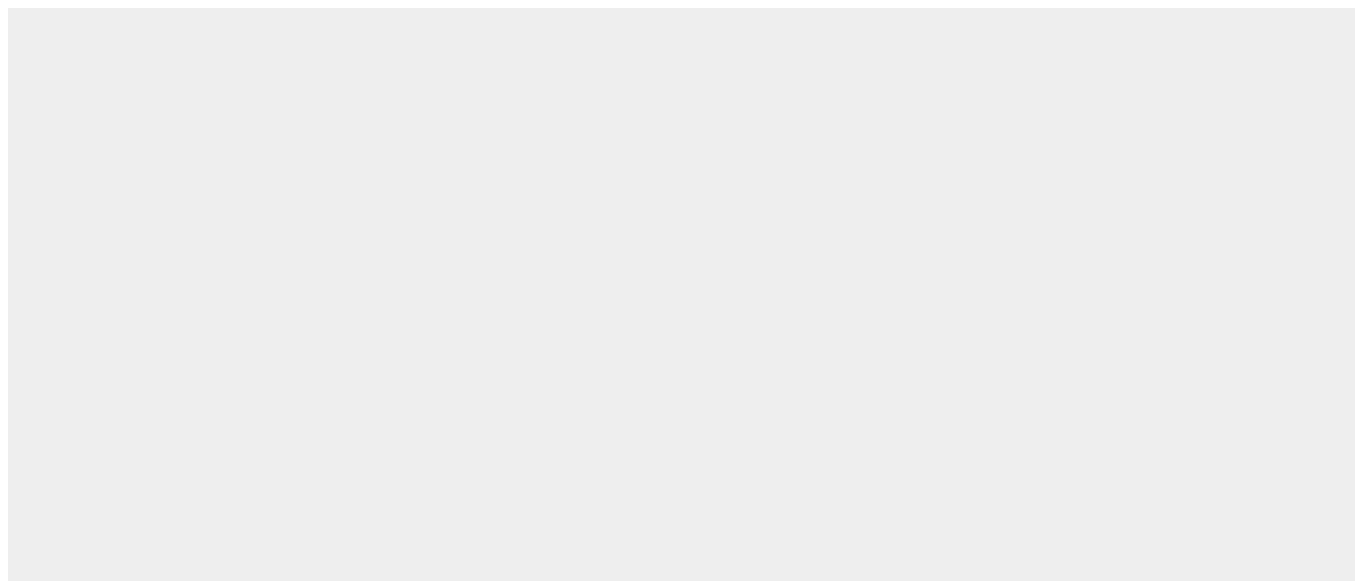
Isoform 1 is expressed in brain and heart. Isoform 2 is expressed in heart.

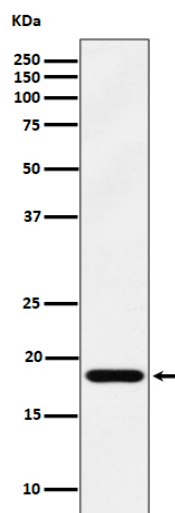
EMC4 Antibody - Protocols

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](#)

EMC4 Antibody - Images





Western blot analysis of EMC4 expression in 293 cell lysate.