

EMC9 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55629

Specification

EMC9 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y3B6
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human EMC9
Epitope Specificity	151-250/208
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	Cytoplasmic
SIMILARITY	Belongs to the EMC8/EMC9 family.
SUBUNIT	Component of the ER membrane protein complex (EMC).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Component of the ER membrane protein complex (EMC).

EMC9 Polyclonal Antibody - Additional Information

Gene ID 51016

Other Names

ER membrane protein complex subunit 9, Protein FAM158A, EMC9, C14orf122, FAM158A

Dilution

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.

EMC9 Polyclonal Antibody - Protein Information

Name EMC9

Synonyms C14orf122, FAM158A

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: [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; Peripheral membrane protein; Cytoplasmic side

EMC9 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](#)

EMC9 Polyclonal Antibody - Images