

FAM158A Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5632b

Specification

FAM158A Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q9Y3B6
Other Accession	NP_057133.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	147-176

FAM158A Antibody (C-term) - Additional Information

Gene ID 51016

Other Names

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

Target/Specificity

This FAM158A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-176 amino acids from the C-terminal region of human FAM158A.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FAM158A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FAM158A Antibody (C-term) - 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:[30415835](#), PubMed:[29809151](#), PubMed:[29242231](#), PubMed:[32459176](#)). Preferentially accommodates proteins with transmembrane domains that are weakly hydrophobic or contain destabilizing features such as charged and aromatic residues (PubMed:[30415835](#), PubMed:[29809151](#), PubMed:[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

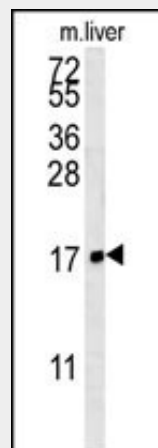
Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side

FAM158A Antibody (C-term) - Protocols

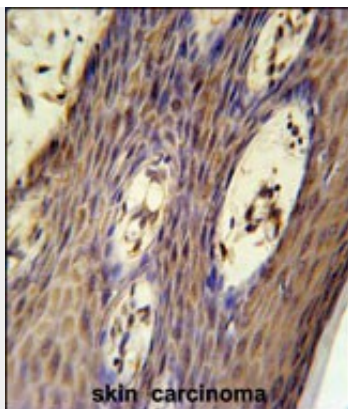
Provided below are standard protocols that you may find useful for product applications.

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

FAM158A Antibody (C-term) - Images



FAM158A Antibody (C-term) (Cat. #AP5632b) western blot analysis in mouse liver tissue lysates (15ug/lane). This demonstrates the FAM158A antibody detected FAM158A protein (arrow).



FAM158A Antibody (C-term) (Cat. #AP5632b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FAM158A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

FAM158A Antibody (C-term) - References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :