

TMEM166 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58105

Specification

TMEM166 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>Q9H8M9</u>

Reactivity Rat, Pig, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 17 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human TMEM166

Epitope Specificity 51-152/152

Isotype IgG
Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Endoplasmic reticulum membrane;

Single-pass membrane protein. Lysosome

membrane; Single-pass membrane

protein.

SIMILARITY Belongs to the EVA1 family.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

TMEM166, also known as FAM176A (family with sequence similarity 176, member A), is a 152 amino acid protein encoded by a gene mapping to human chromosome 2. The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

TMEM166 Polyclonal Antibody - Additional Information

Gene ID 84141

Other Names

Protein eva-1 homolog A, Protein FAM176A, Transmembrane protein 166, EVA1A, FAM176A,



TMEM166

Target/Specificity

Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.

Dilution

WB~~1:1000<br \> <span class
="dilution_IHC-P">IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<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.

TMEM166 Polyclonal Antibody - Protein Information

Name EVA1A

Synonyms FAM176A, TMEM166

Function

Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis.

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Lysosome membrane; Single-pass membrane protein

Tissue Location

Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle

TMEM166 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TMEM166 Polyclonal Antibody - Images