

TAMM41 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP55848**

Specification

TAMM41 Polyclonal Antibody - Product Information

Application **Primary Accession** Reactivity

Host Clonality Calculated MW **Physical State**

Immunogen

Epitope Specificity

Isotype **Purity**

Buffer

affinity purified by Protein A

SUBCELLULAR LOCATION

SIMILARITY Important Note WB, IHC-P, IHC-F, IF, ICC, E

096BW9

Rat, Pig, Bovine, Dog

Rabbit **Polyclonal** 33 KDa Liquid

KLH conjugated synthetic peptide derived

from human C3ORF31

101-200/316

laG

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

Proclin300 and 50% Glycerol. Mitochondrion (By similarity).

Belongs to the MMP37/TAM41 family. This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

C3orf31 (chromosome 3 open reading frame 31), also known as MGC16471 or DKFZp434E0519, is a 316 amino acid mitochondrial protein that belongs to the MMP37 family and may be involved in translocation of transit peptide-containing proteins across the mitochondrial inner membrane. C3orf24 is encoded by a gene that maps to human chromosome 3p25.2. Chromosome 3 is made up of approximately 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

TAMM41 Polyclonal Antibody - Additional Information

Gene ID 132001

Other Names

Phosphatidate cytidylyltransferase, mitochondrial, 2.7.7.41, CDP-diacylglycerol synthase, CDP-DAG synthase, Mitochondrial translocator assembly and maintenance protein 41 homolog, TAM41, TAMM41, C3orf31



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 \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~N/A<br \>ICC~~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.

TAMM41 Polyclonal Antibody - Protein Information

Name TAMM41

Synonyms C3orf31

Function

Catalyzes the conversion of phosphatidic acid (PA) to CDP- diacylglycerol (CDP-DAG), an essential intermediate in the synthesis of phosphatidylglycerol, cardiolipin and phosphatidylinositol.

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:D3ZKT0}; Peripheral membrane protein {ECO:0000250|UniProtKB:D3ZKT0}; Matrix side {ECO:0000250|UniProtKB:P53230}

TAMM41 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 Cytomety
- Cell Culture

TAMM41 Polyclonal Antibody - Images