

C2orf18 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP59387**

Specification

C2orf18 Polyclonal Antibody - Product Information

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

Primary Accession O8N357 Reactivity

Rat, Pig, Bovine Host **Rabbit** Clonality **Polyclonal** Calculated MW **38 KDa Physical State** Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human C2orf18/ANT2BP

231-330/371 **Epitope Specificity**

Isotype **Purity**

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

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrion. Lysosome membrane;

Multi-pass membrane protein.

Belongs to the SLC35F solute transporter **SIMILARITY**

family. Contains 1 EamA domain.

SUBUNIT Interacts with SLC25A5.

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

therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

C2orf18 is a 371 amino acid multi-pass membrane protein that contains one DUF6 domain and is encoded by a gene that maps to human chromosome 2p23.3. As the second largest human chromosome, chromosome 2 makes up approximately 8% of the human genome and contains 237 million bases encoding over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2. Harleguin icthyosis, a rare 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 related to mutations in the ALMS1 gene. Chromosome 2 contains a probable vestigial second centromere as well as vestigial telomeres, which gives credence to the hypothesis that human chromosome 2 formed as a result of an ancient fusion of two ancestral chromosomes, which are still present in modern day apes.

C2orf18 Polyclonal Antibody - Additional Information

Gene ID 54978

Other Names

Solute carrier family 35 member F6, ANT2-binding protein, ANT2BP, Transport and Golgi organization 9 homolog, SLC35F6, C2orf18



Target/Specificity

Expressed in pancreatic ductal adenocarcinoma (PDAC) (at protein level). Strongly expressed in prostate and thyroid. Weakly expressed in lung, heart, liver and kidney.

Dilution

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 $^{\circ}$ 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 $^{\circ}$ C.

C2orf18 Polyclonal Antibody - Protein Information

Name SLC35F6

Synonyms C2orf18

Function

Involved in the maintenance of mitochondrial membrane potential in pancreatic ductal adenocarcinoma (PDAC) cells. Promotes pancreatic ductal adenocarcinoma (PDAC) cell growth. May play a role as a nucleotide-sugar transporter.

Cellular Location

Mitochondrion. Lysosome membrane; Multi-pass membrane protein

Tissue Location

Expressed in pancreatic ductal adenocarcinoma (PDAC) (at protein level). Strongly expressed in prostate and thyroid Weakly expressed in lung, heart, liver and kidney

C2orf18 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

C2orf18 Polyclonal Antibody - Images