

SLC44A1 Rabbit pAb

SLC44A1 Rabbit pAb Catalog # AP58088

Product Information

Application IHC-P, IHC-F, IF

Primary Accession Q8WWI5

Reactivity Pig, Human, Dog, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 73302
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human SLC44A1/CD92

Epitope Specificity 81-180/657 **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 Cell membrane; Multi-pass membrane protein. Mitochondrion outer

membrane; Multi-pass membrane protein.

SIMILARITY Belongs to the CTL (choline transporter-like) family.

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

human, therapeutic or diagnostic applications.

Background Descriptions SLC44A1 (Solute carrier family 44, member 1) is an intermediate-affinity,

Na+-independent choline transporter. It is thought to be important for the production of the membrane lipid phosphatidylcholine. Hence, it may have a

role in membrane synthesis and myelin production.

Additional Information

Gene ID 23446

Other Names Choline transporter-like protein 1, CDw92, Solute carrier family 44 member 1,

CD92, SLC44A1 (<u>HGNC:18798</u>), CD92, CDW92, CTL1

Target/Specificity Expressed in various cells of the hematopoietic system.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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.

Protein Information

Name SLC44A1 (<u>HGNC:18798</u>)

Synonyms CD92, CDW92, CTL1

Function Choline/H+ antiporter (PubMed: 19357133, PubMed: 23651124,

PubMed:31855247, PubMed:33789160). Also acts as a high-affinity ethanolamine/H+ antiporter, regulating the supply of extracellular

ethanolamine (Etn) for the CDP-Etn pathway, redistribute intracellular Etn and

balance the CDP-Cho and CDP-Etn arms of the Kennedy pathway

(PubMed:33789160). Involved in membrane synthesis and myelin production

(PubMed:31855247).

Cellular Location Cell membrane; Multi-pass membrane protein. Mitochondrion outer

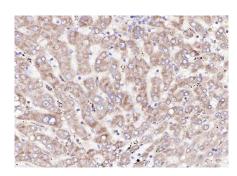
membrane; Multi-pass membrane protein

Tissue Location Expressed in various cells of the hematopoietic system.

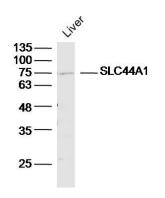
Background

SLC44A1 (Solute carrier family 44, member 1) is an intermediate-affinity, Na+-independent choline transporter. It is thought to be important for the production of the membrane lipid phosphatidylcholine. Hence, it may have a role in membrane synthesis and myelin production.

Images



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with SLC44A1 Polyclonal Antibody, Unconjugated (AP58088) at 1:100 overnight at 4°C, followed by conjugation to the AP58088-HRP and DAB (C-0010) staining.



Sample:Liver (Mouse) Lysate at 40 ug Primary: Anti-SLC44A1(AP58088)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 73kD Observed band size: 75kD

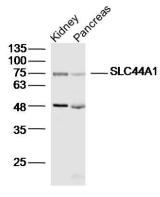
Sample:

Kindey (Mouse) Lysate at 40 ug Pancreas (Mouse) Lysate at 40 ug

Primary: Anti-SLC44A1(AP58088)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at

1/20000 dilution

Predicted band size: 73kD Observed band size: 75kD



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.