

SLC44A1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58088

Product Information

| | |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application | WB, IHC-P, IHC-F, IF, E |
| Primary Accession | Q8WWI5 |
| Reactivity | Rat, Pig, Dog, Bovine |
| 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. |

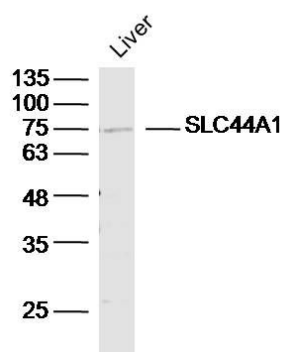
Additional Information

| | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID | 23446 |
| Other Names | Choline transporter-like protein 1, CDw92, Solute carrier family 44 member 1, CD92, SLC44A1, CD92, CDW92, CTL1 |
| Target/Specificity | Expressed in various cells of the hematopoietic system. |
| Dilution | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| Format | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce |
| 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. |

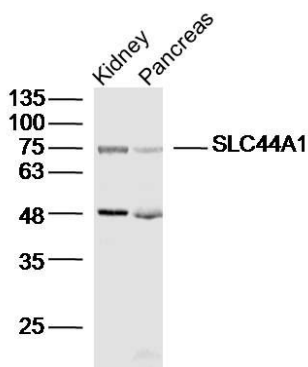
Protein Information

| | |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | SLC44A1 (HGNC:18798) |
| 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. |

Images



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:
Kidney (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'.