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SLC44A1 Rabbit pAb

Catalog # AP98563

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWI5
Other Accession	Q8WWI5
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73302
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC44A1
Epitope Specificity	581-657/657
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.SLC44A1 encodes a choline transporter and may be involved in membrane synthesis and myelin production.

Additional Information

Gene ID	23446
Other Names	CD92; CDW92; CHTL1; CONATOC; CTL1; 2210409B22Rik; 4833416H08Rik; CTL1_HUMAN; SLC44A1; Solute carrier family 44 member 1; CTL1_MOUSE; CTL1_RAT; CDW92 antigen; solute carrier family 44 (choline transporter), member 1; Choline transporter-like protein 1
Dilution	IHC-P=1:100-500,IHC-F=1:400-800,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 (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.

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