SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-SLC44A4/APC Conjugated antibody

Catalog Number: SL13961R-APC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SLC44A4/APC
Immunogen:	KLH conjugated synthetic peptide derived from human SLC44A4
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Horse)
Background:	background: Choline is an essential nutrient that is required for the synthesis of both acetylcholine, a neurotransmitter found in cholinergic nerve terminals, and phosphatidylcholine, a key component of cell membranes. Choline deficiencies are associated with defects in cell growth and have been implicated in disorders such as Alzheimer's and Parkinson's disease. The choline transporter-like protein family (CTL) are solute carriers that transport choline, a compound which is not able to permeate cells, across the cell membrane. CTL4, also known as SLC44A4 (Solute carrier family 44 member 4), is a multi-pass membrane protein which can fuse with Neu1, generating a CTL4-Neu1 transcript. This fusion is implicated in sialidosis, a disease characterized by improper lysosomal storage. **Subcellular Location:** Membrane; Multi-pass membrane protein (By similarity). DISEASE: Note=An interstitial deletion causing the fusion of exon 10 of

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	CTL4 with the 3'-UTR of NEU has been detected in two patients affected by sialidosis. **Similarity:** Belongs to the CTL (choline transporter-like) family. **Database links:** UniProtKB/Swiss-Prot: Q53GD3.2 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.