

bs-13961R**[Primary Antibody]****SLC44A4 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Horse) Predicted MW.: 79 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 80736	SWISS: Q53GD3	
Target: SLC44A4		
Immunogen: KLH conjugated synthetic peptide derived from human SLC44A4: 1-100/710.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— SELECTED CITATIONS —

- **[IF=2.4]** Yang Fan. et al. Targeting TSPAN1 promotes ferroptosis in endometrial cancer cells, reduces energy metabolism and inhibits malignant behavior. GENE. 2025 May;;149553 WB,IF ;Human. 40339767