bs-3667R **[Primary Antibody]**

SLC44A1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 23446 **SWISS:** Q8WWI5

Target: SLC44A1

Immunogen: KLH conjugated synthetic peptide derived from human SLC44A1/CD92: 81-180/657.

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: 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.

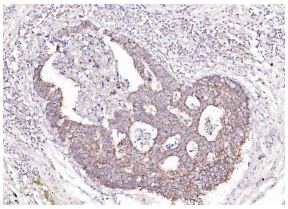
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Pig, Sheep, Cow, Dog, Horse)

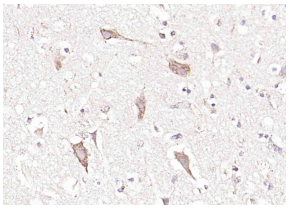
Predicted MW.: 73 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with SLC44A1 Polyclonal Antibody, Unconjugated (bs-3667R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with SLC44A1 Polyclonal Antibody, Unconjugated (bs-3667R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

SELECTED CITATIONS

- **[IF=3.7]** E.C. Francis. et al. Maternal plasma choline levels are positively correlated with maternal and placental phospholipid-DHA content in females with obesity who receive DHA supplementation. J NUTR. 2024 Dec;: WB ;Human. 39742970
- **[IF=3.7]** Ellen C Francis. et al.Maternal Plasma Choline Levels Are Positively Correlated with Maternal and Placental Phospholipid-DHA Content in Females with Obesity Who Receive DHA Supplementation..JOURNAL OF NUTRITION.2025 Mar;155(3):880-889. IF ;Human. 39742970
- **[IF=2.71]** Baumgartner, Heidi K., et al. "Characterization of Choline Transporters in the Human Placenta over Gestation." Placenta (2015). WB ;="Human". 26601765