

Product datasheet for AP00343PU-N

SGLT1 (SLC5A1) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Western Blot: 0.5-4 µg/ml. Jurkat cell lysate can be used as a Positive Control. Immunohistochemistry: 5 µg/ml. |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide surrounding amino acid 594 of Human SGLT-1 |
| Specificity: | The antibody detects 73 kDa SGLT-1 from Human samples and in a lesser extent Mouse and Rat. A ~50 kDa cleavage fragment can also be detected in Jurkat cell lysate. |
| Formulation: | PBS, pH 7.2 containing 30% Glycerol State: Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.01% Thimerosal |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein A |
| Conjugation: | Unconjugated |
| Storage: | Upon receipt, store the antibody undiluted (in aliquots) at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | solute carrier family 5 member 1 |
| Database Link: | Entrez Gene 6523 Human P13866 |

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Background:

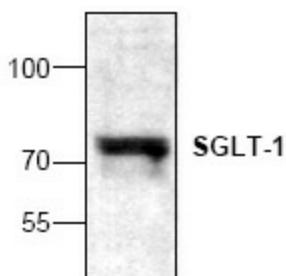
Glucose transporters are integral membrane proteins that mediate the transport of glucose and structurally related substances across cellular membranes. Two families of glucose transporter have been identified: the facilitated diffusion glucose transporter family (GLUT family), also known as *uniporters* and the sodium dependent glucose transporter family (SGLT family) also known as *cotransporters* or *symporters*. The SGLT1 gene encodes a protein that is involved in the active transport of glucose and galactose into eukaryotic and some prokaryotic cells.

Synonyms:

Sodium/glucose cotransporter 1, NAGT

Note:

Blocking Peptide (Cat.-No AP00343CP-N) is available separately.

Product images:

Western blot analysis of SGLT-1 expression in Jurkat cell lysate.