

**AP00343PU-N****Polyclonal Antibody to SGLT1 / SLC5A1 - Purified**

<b>Alternate names:</b>	High affinity sodium-glucose cotransporter, NAGT, Na(+)/glucose cotransporter 1, Sodium/glucose cotransporter 1, Solute carrier family 5 member 1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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 <i>uniporters</i> and the sodium dependent glucose transporter family (SGLT family) also known as <i>cotransporters</i> or <i>symporters</i> . The SGLT1 gene encodes a protein that is involved in the active transport of glucose and galactose into eukaryotic and some prokaryotic cells.
<b>Uniprot ID:</b>	<a href="#">P13866</a>
<b>NCBI:</b>	<a href="#">NP_000334.1</a>
<b>GeneID:</b>	<a href="#">6523</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide surrounding amino acid 594 of Human SGLT-1
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity Chromatography on Protein A <b>Buffer System:</b> PBS, pH 7.2 containing 30% Glycerol <b>Preservatives:</b> 0.01% Thimerosal <b>Stabilizers:</b> 0.5% BSA
<b>Applications:</b>	<b>Western Blot:</b> 0.5-4 µg/ml. Jurkat cell lysate can be used as a Positive Control. <b>Immunohistochemistry:</b> 5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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.
<b>Add. Information:</b>	Blocking Peptide (Cat.-No AP00343CP-N) is available separately.
<b>Storage:</b>	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. Shelf life: one year from despatch.

**Pictures:**

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

