

## Polyclonal Antibody to SGLT2 / SLC5A2 - Aff - Purified

<b>Alternate names:</b>	Sodium/glucose cotransporter 2, Na(+)/glucose cotransporter 2, Low affinity sodium-glucose cotransporter, Solute carrier family 5 member 2
<b>Catalog No.:</b>	AP00335PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	Sodium glucose co transporters (SGLTs) are located in the brush-border membrane, but transported out of the cell across the basolateral membranes by a facilitated sugar transporter (GLUT). At least three members of SGLTs (SGLT 1-3) have been cloned and characterized. SGLTs transport a methyl-D-glucoside (a-MDG), a non-metabolized model substrate, in Na-dependent manner. SGLT-1 does not discriminate a-MDG, glucose, and galactose. SGLT2/3 do not transport D-galactose efficiently.
<b>Uniprot ID:</b>	<a href="#">P31639</a>
<b>Host / Isotype:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptide near the N-terminus of Mouse SGLT-2
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Affinity Chromatography on Protein A . <b>Buffer System:</b> Phosphate-buffered saline (PBS) containing 30% Glycerol, 0.5% BSA and 0.01% Thimerosal.
<b>Applications:</b>	Western blotting (0.5-4 µg/ml). Jurkat cell lysate, mouse small intestine tissue lysate and rat kidney can be used as Positive Controls. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects 74 kDa SGLT-2. A ~50-60 kDa band can also be detected, presumably represents the SGLT-2 cleavage fragments. <b>Species:</b> Human, Mouse and Rat. Others not tested.
<b>Add. Information:</b>	SGLT-2 Blocking Peptide is also available (AP00335CP-N).
<b>Storage:</b>	Store the antibody at -20°C. For long term storage aliquot and store at -70°C. Avoid repeated freeze/thaw cycles. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.