

SGLT-2 Polyclonal Antibody

CATALOG #:	3690-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide near the N-terminus of mouse SGLT-2 (ID# BV-260)
SPECIES REACTIVITY:	human, mouse, rat

FORMULATION:

100 µg (0.2 mg/ml) protein A affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

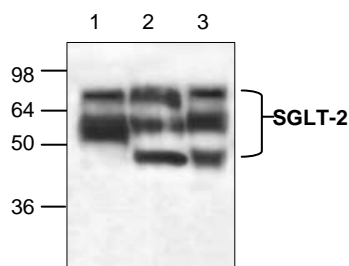
Sodium glucose co transporters (SGLTs) are located in the brush-border membrane, but transported out of the cell across the basolateral membranes by a facilitated sugar transporter (GLUT). At least three members of SGLTs (SGLT 1-3) have been cloned and characterized. SGLTs transport a methyl-D-glucoside (α-MDG), a non-metabolized model substrate, in Na-dependent manner. SGLT-1 does not discriminate α-MDG, glucose, and galactose. SGLT2/3 do not transport D-galactose efficiently.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Other applications have not been determined.

SPECIFICITY:

The antibody detects 74 kDa SGLT-2 from human, mouse, and rat origins. Reactivity to other species has not been determined. A ~55 kDa and a ~45 kDa bands can also be detected, representing the SGLT-2 cleavage fragments.



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Western blot analysis of SGLT-2 in lysate from Jurkat cells (Lane 1), mouse small intestine (Lane 2) and rat kidney (Lane 3).

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
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- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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- Senescence Detection Kit
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