



SGLT-2 Antibody

Rabbit Polyclonal Antibody Catalog # ABV10523

Specification

SGLT-2 Antibody - Product Information

Application WB
Primary Accession Q92317

Reactivity Human, Mouse,

Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 73008

SGLT-2 Antibody - Additional Information

Gene ID 246787

Application & Usage Western blotting

 $(0.5-4 \mu g/ml)$. However, the

optimal

concentrations should be determined individually.

Other

applications have

not been

determined. 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 been detected,

representing the SGLT-2 cleavage

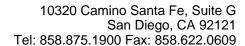
fragments.

Other Names SGLT 2, SGLT2, SLC5A2, SLC5A 2,

Target/Specificity SGLT-2

SGLT-2 Antibody - 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 s µgar 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.





Antibody Form Liquid

Appearance Colorless liquid

Formulation

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

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage -20 °C

Background Descriptions

Precautions

SGLT-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SGLT-2 Antibody - Protein Information

Name Slc5a2

Function

Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.

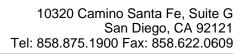
Cellular Location

Membrane; Multi-pass membrane protein.

SGLT-2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation





Flow CytometyCell Culture