

SGLT-2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10523**Specification**

SGLT-2 Antibody - Product Information

Application	WB
Primary Accession	Q923I7
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 µg/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 be detected, representing the SGLT-2 cleavage fragments.

Other Names

SGLT 2 , SGLT2 , SLC5A2 , SLC5A 2 ,

Target/Specificity

SGLT-2

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

Electrogenic Na(+)-coupled sugar symporter that actively transports D-glucose at the plasma membrane, with a Na(+) to sugar coupling ratio of 1:1. Transporter activity is driven by a transmembrane Na(+) electrochemical gradient set by the Na(+)/K(+) pump (By similarity). Has a primary role in D-glucose reabsorption from glomerular filtrate across the brush border of the early proximal tubules of the kidney (PubMed:20616166).

Cellular Location

Apical cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in epithelial cells of early proximal tubules (at protein level).

SGLT-2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SGLT-2 Antibody - Images

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 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.