

SGLT-2 Blocking Peptide
Catalog # PBV10315b**Specification**

SGLT-2 Blocking Peptide - Product Information

Primary Accession	O92317
Gene ID	246787
Calculated MW	73008

SGLT-2 Blocking Peptide - Additional Information**Gene ID** 246787**Application & Usage**

The peptide is used for blocking the antibody activity of active SGLT-2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

Sodium/glucose cotransporter 2, Na(+)/glucose cotransporter 2, Low affinity sodium-glucose cotransporter, Solute carrier family 5 member 2, Slc5a2, SglT2

Target/Specificity

SGLT-2

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

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

SGLT-2 Blocking Peptide - 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](http://www.uniprot.org/citations/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 Blocking Peptide - 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 Blocking Peptide - Images