

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

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**SGLT-2 Blocking Peptide - Product Information**

Primary Accession	<a href="#">O92317</a>
Gene ID	<b>246787</b>
Calculated MW	<b>73008</b>

**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**