

# **SGLT-2 Blocking Peptide**

Catalog # PBV10315b

# **Specification**

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

Primary Accession Q923I7
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**

 $50~\mu g$  (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.

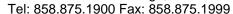
#### **SGLT-2 Blocking Peptide - Protein Information**

### Name Slc5a2

# **Function**

Electrogenic Na(+)-coupled sugar simporter 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: <a href="http://www.uniprot.org/citations/20616166" target="\_blank">20616166</a>).

### **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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**SGLT-2 Blocking Peptide - Images**