

**SLC17A3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17839b****Specification**

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**SLC17A3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O00476](#)**SLC17A3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10786**Other Names**

Sodium-dependent phosphate transport protein 4, Na(+)/PI cotransporter 4, Sodium/phosphate cotransporter 4, Solute carrier family 17 member 3, SLC17A3, NPT4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SLC17A3 Antibody (C-term) Blocking Peptide - Protein Information****Name** SLC17A3**Synonyms** NPT4**Function**

[Isoform 2]: Transports organic anions in a voltage-driven, multispecific, manner, on the apical side of renal proximal tubule (PubMed:<a href="http://www.uniprot.org/citations/20810651" target="\_blank">20810651</a>). In particular, participates in the secretion of urate from the cell into the lumen (PubMed:<a href="http://www.uniprot.org/citations/20810651" target="\_blank">20810651</a>). Urate is the end product of purine metabolism (PubMed:<a href="http://www.uniprot.org/citations/20810651" target="\_blank">20810651</a>). May have roles in the metabolism and secretion of estrone sulfate, estradiol-17-beta- glucuronide, ochratoxin A, as wells as drugs such as bumetanide (PubMed:<a href="http://www.uniprot.org/citations/20810651" target="\_blank">20810651</a>).

**Cellular Location**

[Isoform 1]: Endoplasmic reticulum membrane; Multi-pass membrane protein

**Tissue Location**

Expressed in the liver and kidney (PubMed:9149941, PubMed:20810651). It is detected in proximal

tubules in renal cortex as well as some tubules and glomeruli, with highest expression at the apical side of proximal tubules (at protein level) (PubMed:20810651)

### **SLC17A3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **SLC17A3 Antibody (C-term) Blocking Peptide - Images**

### **SLC17A3 Antibody (C-term) Blocking Peptide - Background**

SLC17A3 may be involved in actively transporting phosphate into cells via Na(+) cotransport (By similarity).

### **SLC17A3 Antibody (C-term) Blocking Peptide - References**

Jutabha, P., et al. J. Biol. Chem. 285(45):35123-35132(2010)Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Brandstatter, A., et al. Atherosclerosis 210(2):474-478(2010)Polasek, O., et al. Croat. Med. J. 51(1):32-39(2010)