

**SLC17A1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13066b****Specification**

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**SLC17A1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q14916](#)**SLC17A1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6568**Other Names**

Sodium-dependent phosphate transport protein 1, Na(+)/PI cotransporter 1, Na/Pi-4, Renal Na(+)-dependent phosphate cotransporter 1, Renal sodium-dependent phosphate transport protein 1, Renal sodium-phosphate transport protein 1, Sodium/phosphate cotransporter 1, Solute carrier family 17 member 1, SLC17A1, NPT1

**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.

**SLC17A1 Antibody (C-term) Blocking peptide - Protein Information****Name** SLC17A1**Synonyms** NPT1**Function**

Important for the resorption of phosphate by the kidney (PubMed:<a href="http://www.uniprot.org/citations/7826357" target="\_blank">7826357</a>). May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane (PubMed:<a href="http://www.uniprot.org/citations/7826357" target="\_blank">7826357</a>). Plays a role in urate transport in the kidney (PubMed:<a href="http://www.uniprot.org/citations/27906618" target="\_blank">27906618</a>, PubMed:<a href="http://www.uniprot.org/citations/25252215" target="\_blank">25252215</a>).

**Cellular Location**

Apical cell membrane; Multi-pass membrane protein

**Tissue Location**

Expressed in kidney cortex, liver and brain but not in other tissues.

**SLC17A1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**SLC17A1 Antibody (C-term) Blocking peptide - Images****SLC17A1 Antibody (C-term) Blocking peptide - Background**

Important for the resorption of phosphate by the kidney. May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane.

**SLC17A1 Antibody (C-term) Blocking peptide - References**

Iharada, M., et al. J. Biol. Chem. 285(34):26107-26113(2010)Gunjaca, G., et al. Croat. Med. J. 51(1):23-31(2010)Ganesh, S.K., et al. Nat. Genet. 41(11):1191-1198(2009)Shi, J., et al. Nature 460(7256):753-757(2009)Stark, K., et al. PLoS ONE 4 (11), E7729 (2009) :