

SLC26A7 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13081b**Specification**

SLC26A7 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q8TE54](#)**SLC26A7 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 115111**Other Names**

Anion exchange transporter, Solute carrier family 26 member 7, SLC26A7 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=14467)
HGNC:14467

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.

SLC26A7 Antibody (C-term) Blocking peptide - Protein Information**Name** SLC26A7 ([HGNC:14467](#))**Function**

Acts as an anion channel mediating the transport of chloride, sulfate and oxalate ions (PubMed:[11834742](http://www.uniprot.org/citations/11834742)). Mediates the transport of bromide, iodide, nitrate, gluconate, thiocyanate and bicarbonate ions (By similarity). Its permeability towards bicarbonate is weak and increases when pH is above 7 (By similarity). Mediates thiocyanate transport in retinal pigment epithelium cells (By similarity). Mediates iodide transport in the thyroid gland, playing an important role in the synthesis of thyroid hormones and the maintenance of thyroid function (PubMed:[31372509](http://www.uniprot.org/citations/31372509)). Although it is an anion channel, according to PubMed:[12736153](http://www.uniprot.org/citations/12736153) and PubMed:[32119864](http://www.uniprot.org/citations/32119864) it has been shown to exhibit chloride-bicarbonate exchanger activity.

Cellular Location

Basolateral cell membrane; Multi-pass membrane protein. Recycling endosome membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Lateral cell

membrane; Multi-pass membrane protein. Note=Expressed in the cytoplasm in recycling endosomes of medullary collecting duct cells and in acid-secreting gastric parietal cells. Targeted to the basolateral membrane in hypertonicity and potassium depletion.

Tissue Location

Expressed in the thyroid gland (at protein level). Expressed in tonsillar high endothelial venule endothelial cells (HEVEC), placenta and in testis, expressed in a subgroup of basal cells in the epididymal ducts.

SLC26A7 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC26A7 Antibody (C-term) Blocking peptide - Images**SLC26A7 Antibody (C-term) Blocking peptide - Background**

This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in their genomic (number and size of exons) and protein (aa length among species) structures yet have markedly different tissue expression patterns. This gene has abundant and specific expression in the kidney. Splice variants that use both alternate transcription initiation and polyadenylation sites have been described for this gene.

SLC26A7 Antibody (C-term) Blocking peptide - References

Xu, J., et al. J. Am. Soc. Nephrol. 17(4):956-967(2006) Kujala, M., et al. Nephron Exp. Nephrol. 101(2), E50-E58 (2005) : Barone, S., et al. J. Am. Soc. Nephrol. 15(8):2002-2011(2004) Petrovic, S., et al. Am. J. Physiol. Renal Physiol. 286 (1), F161-F169 (2004) : Petrovic, S., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 284 (6), G1093-G1103 (2003) :