

SLC10A7 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10754c**Specification**

SLC10A7 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q0GE19](#)**SLC10A7 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 84068**Other Names**

Sodium/bile acid cotransporter 7, Na(+)/bile acid cotransporter 7, Solute carrier family 10 member 7, SLC10A7, C4orf13, P7

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.

SLC10A7 Antibody (Center) Blocking peptide - Protein Information**Name** SLC10A7**Synonyms** C4orf13, P7**Function**

Involved in teeth and skeletal development. Has an essential role in the biosynthesis and trafficking of glycosaminoglycans and glycoproteins, to produce a proper functioning extracellular matrix. Required for extracellular matrix mineralization (PubMed:30082715, PubMed:29878199). Also involved in the regulation of cellular calcium homeostasis (PubMed:30082715, PubMed:31191616). Does not show transport activity towards bile acids or steroid sulfates (including taurocholate, cholate, chenodeoxycholate, estrone-3-sulfate, dehydroepiandrosterone sulfate (DHEAS) and pregnenolone sulfate).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane

Tissue Location

Widely expressed (PubMed:15932064, PubMed:17628207). Expressed at high levels in liver and at lower levels in prostate, placenta, kidney, heart, lung, thymus and spleen (PubMed:15932064, PubMed:17628207). Strongly expressed in testis and also detected in brain, ovary, colon and small intestine (PubMed:17628207). Weakly expressed in testis and not detected in brain, ovary, colon or small intestine (PubMed:15932064). Isoform 1: Expressed in liver, testis and placenta (PubMed:17628207). Isoform 4: Expressed in liver, testis and placenta (PubMed:17628207)

SLC10A7 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC10A7 Antibody (Center) Blocking peptide - Images**SLC10A7 Antibody (Center) Blocking peptide - Background**

SLC10A7 belongs to the sodium:bile acid symporter family. SLC10A7 is expressed at high levels in liver and lung, moderate levels in placenta, kidney, spleen, and thymus, and low levels in heart, prostate, and testis, but its exact function remains unknown. There are seven different isoforms.

SLC10A7 Antibody (Center) Blocking peptide - References

Trynka, G., et al. Gut 58(8):1078-1083(2009) Godoy, J.R., et al. Eur. J. Cell Biol. 86(8):445-460(2007) Zou, X., et al. Biochem. Genet. 43 (3-4), 165-173 (2005) :Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)