

Anti-SLC10A7 Antibody
Catalog # AP53745**Specification**

Anti-SLC10A7 Antibody - Product Information

Application	WB
Primary Accession	Q0GE19
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37432

Anti-SLC10A7 Antibody - Additional Information**Gene ID** 84068**Other Names**

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

Target/Specificity

Recognizes endogenous levels of SLC10A7 protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-SLC10A7 Antibody - 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:29878199, PubMed:30082715). 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

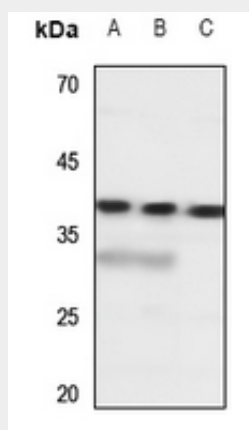
Widely expressed (PubMed:15932064, PubMed:17628207). Expressed at high levels in liver and at lower levels in prostate, placenta, kidney, heart, lung, thymus and spleen (PubMed:15932064, PubMed:17628207). Strongly expressed in testis and also detected in brain, ovary, colon and small intestine (PubMed:17628207). 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)

Anti-SLC10A7 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SLC10A7 Antibody - Images



Western blot analysis of SLC10A7 expression in mouse lung (A), mouse liver (B), rat liver (C) whole cell lysates.

Anti-SLC10A7 Antibody - Background

Rabbit polyclonal antibody to SLC10A7