

Anti-SLC10A7 Antibody

Catalog # AP53745

Product Information

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

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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SLC10A7. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

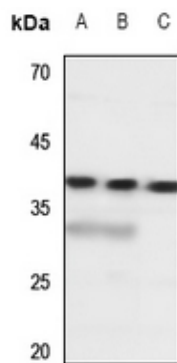
Protein Information

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)

Images



Western blot analysis of SLC10A7 expression in mouse lung (A), mouse liver (B), rat liver (C) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 39 kD)

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