

SLC10A7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57917

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q0GE19
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37432

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)

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