

SLC13A2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57919

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13183
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64410

Additional Information

Gene ID	9058
Other Names	Solute carrier family 13 member 2, Na(+)/dicarboxylate cotransporter 1, NaDC-1, Renal sodium/dicarboxylate cotransporter, SLC13A2, NADC1, SDCT1
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	SLC13A2 {ECO:0000303 PubMed:27927654, ECO:0000312 HGNC:HGNC:10917}
Function	Low-affinity sodium-dicarboxylate cotransporter, that mediates the entry of citric acid cycle intermediates, such as succinate, citrate, fumarate and alpha-ketoglutarate (2-oxoglutarate) into the small intestine and renal proximal tubule (PubMed: 10894787 , PubMed: 8967342 , PubMed: 9668069 , PubMed: 38552027). Transports the dicarboxylate into the cell with a probable stoichiometry of 3 Na(+) for 1 divalent dicarboxylate, rendering the process electrogenic (PubMed: 10894787 , PubMed: 8967342 , PubMed: 9668069). Citrate is transported in protonated form as a divalent anion, rather than the trivalent form which is normally found in blood (PubMed: 10894787). Has a critical role in renal dicarboxylate transport (By similarity).
Cellular Location	Apical cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in kidney and intestine (PubMed:8967342). In kidney expressed in the proximal tubule (at protein level) (PubMed:27927654).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.