

SLC13A5 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57666**Specification****SLC13A5 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q86YT5
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63062

SLC13A5 Polyclonal Antibody - Additional Information**Gene ID** 284111**Other Names**

Solute carrier family 13 member 5, Na(+)/citrate cotransporter, NaCT, Sodium-coupled citrate transporter, Sodium-dependent citrate transporter, SLC13A5, NACT

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A
E ~ ~ N/A

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.

SLC13A5 Polyclonal Antibody - Protein Information**Name** SLC13A5**Synonyms** NACT**Function**

High-affinity sodium/citrate cotransporter that mediates the entry of citrate into cells, which is a critical participant of biochemical pathways (PubMed: [12445824](http://www.uniprot.org/citations/12445824), PubMed: [12826022](http://www.uniprot.org/citations/12826022), PubMed: [26324167](http://www.uniprot.org/citations/26324167), PubMed: [26384929](http://www.uniprot.org/citations/26384929), PubMed: [30054523](http://www.uniprot.org/citations/30054523), PubMed: [33597751](http://www.uniprot.org/citations/33597751)). May function in various metabolic processes in which citrate has a critical role such as energy production (Krebs cycle), fatty acid synthesis, cholesterol synthesis, glycolysis, and gluconeogenesis (PubMed: [33597751](#)).

href="http://www.uniprot.org/citations/12826022" target="_blank">12826022). Transports citrate into the cell in a Na(+)- dependent manner, recognizing the trivalent form of citrate (physiological pH) rather than the divalent form (PubMed:12445824, PubMed:12826022, PubMed:26324167, PubMed:26384929, PubMed:30054523, PubMed:33597751). Can recognize succinate as a substrate, but its affinity for succinate is several fold lower than for citrate (PubMed:26324167). The stoichiometry is probably 4 Na(+) for each carboxylate, irrespective of whether the translocated substrate is divalent or trivalent, rendering the process electrogenic (PubMed:12445824, PubMed:12826022). Involved in the regulation of citrate levels in the brain (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed most predominantly in the liver, with moderate expression detectable in the brain and testis

SLC13A5 Polyclonal 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](#)

SLC13A5 Polyclonal Antibody - Images