

SLC13A3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11894**Specification**

SLC13A3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8WWT9
Other Accession	NM_022829 , NP_073740
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66kDa kDa

SLC13A3 antibody - N-terminal region - Additional Information**Gene ID** 64849**Alias Symbol** **NADC3, SDCT2****Other Names**

Solute carrier family 13 member 3, Na(+)/dicarboxylate cotransporter 3, NaDC-3, hNaDC3, Sodium-dependent high-affinity dicarboxylate transporter 2, SLC13A3, NADC3, SDCT2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-SLC13A3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SLC13A3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC13A3 antibody - N-terminal region - Protein Information**Name** SLC13A3**Synonyms** NADC3, SDCT2**Function**

High-affinity sodium-dicarboxylate cotransporter that accepts a range of substrates with 4-6 carbon atoms, such as the citric acid cycle intermediates succinate and alpha-ketoglutarate (2-oxoglutarate), as well as other compounds including N-acetyl-L-aspartate (PubMed:10794676, PubMed:10794676).

[10992006](http://www.uniprot.org/citations/10992006), PubMed:<[15561973](http://www.uniprot.org/citations/15561973)>, PubMed:<[17426067](http://www.uniprot.org/citations/17426067)>, PubMed:<[17356845](http://www.uniprot.org/citations/17356845)>, PubMed:<[24247155](http://www.uniprot.org/citations/24247155)>, PubMed:<[30635937](http://www.uniprot.org/citations/30635937)>). Transports the dicarboxylate into the cell with a probable stoichiometry of 3 Na(+) for 1 divalent dicarboxylate, rendering the process electrogenic (PubMed:<[10794676](http://www.uniprot.org/citations/10794676)>, PubMed:<[10992006](http://www.uniprot.org/citations/10992006)>). Can transport citrate in a Na(+)- dependent manner, recognizing the divalent form of citrate rather than the trivalent form which is normally found in blood (PubMed:<[10794676](http://www.uniprot.org/citations/10794676)>).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expression is highest in kidney (PubMed:16331647). Detected in placenta, brain, liver and pancreas

SLC13A3 antibody - N-terminal region - 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](#)

SLC13A3 antibody - N-terminal region - Images



WB Suggested Anti-SLC13A3 Antibody Titration: 5.0µg/ml

Positive Control: HepG2 cell lysate

SLC13A3 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells