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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:<a

href="http://www.uniprot.org/citations/10992006" target="_blank">10992006, PubMed:15561973, PubMed:17426067, PubMed:17356845, PubMed:24247155, PubMed:30635937). Transports the dicarboxylate into the cell with a probable stoichiometry of 3 Na(+) for 1 divalent dicarboxylate, rendering the process electrogenic (PubMed:10794676, PubMed: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).

Cellular Location
Cell membrane; Multi-pass membrane protein

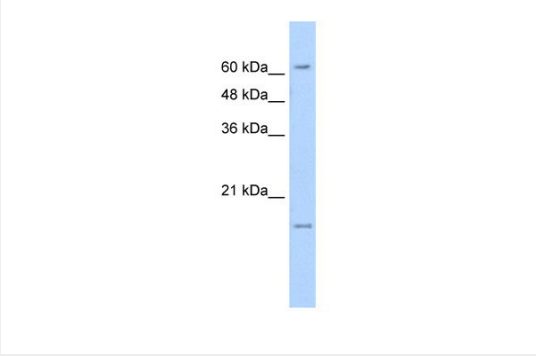
Tissue Location
Expression is highest in kidney (PubMed:16331647). Detected in placenta, brain, liver and pancreas

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 Cytomety
- 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