10320 Camino Santa Fe, Suite G
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SLC2A8 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12355

Specification

SLC2A8 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9NY64
Other Accession	NM_014580, NP_055395
Reactivity	**Human, Rabbit**
Predicted	**Human, Rabbit**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51kDa KDa**

SLC2A8 antibody - middle region - Additional Information

Gene ID 29988

Alias Symbol	**GLUT8, GLUTX1**

Other Names
Solute carrier family 2, facilitated glucose transporter member 8, Glucose transporter type 8, GLUT-8, Glucose transporter type X1, SLC2A8, GLUT8, GLUTX1

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

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-SLC2A8 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
SLC2A8 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC2A8 antibody - middle region - Protein Information

Name SLC2A8 (HGNC:13812)

Function
Insulin-regulated facilitative hexose transporter that mediates the transport of glucose and fructose (By similarity). Facilitates hepatic influx of dietary trehalose, which in turn inhibits glucose and fructose influx triggering a starvation signal and hepatic autophagy through activation of AMPK and ULK1 (PubMed:27922102). Also able to mediate the transport of dehydroascorbate.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q9JJZ1}; Multi-pass membrane protein. Cytoplasmic

vesicle membrane {ECO:0000250|UniProtKB:Q9JJZ1}; Multi-pass membrane protein. Note=Principally intracellular. May move between intracellular vesicles and the plasma membrane. The dileucine internalization motif is critical for intracellular sequestration {ECO:0000250|UniProtKB:Q9JJZ1}

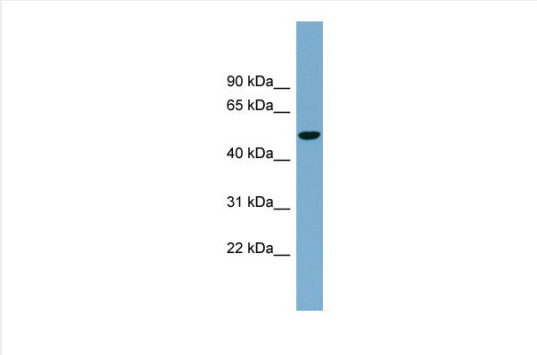
Tissue Location
Highly expressed in testis, but not in testicular carcinoma. Lower amounts present in most other tissues

SLC2A8 antibody - middle region - Protocols

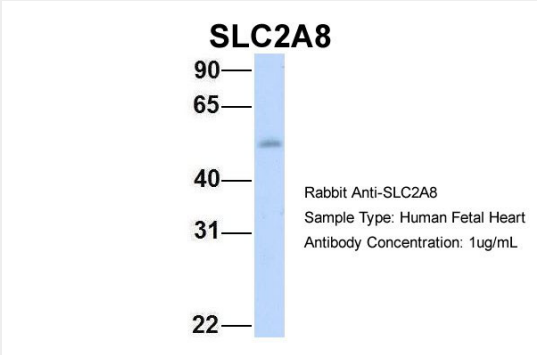
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC2A8 antibody - middle region - Images



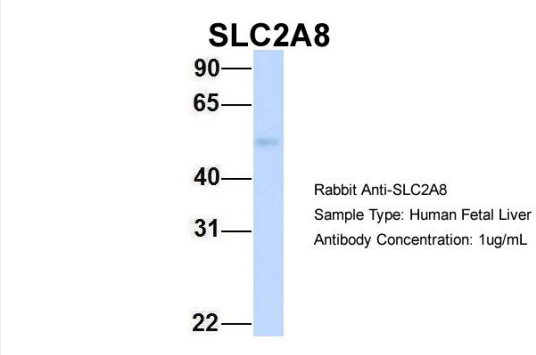
WB Suggested Anti-SLC2A8 Antibody Titration: 0.2-1 µg/ml
Positive Control: NCI-H226 cell lysate



Host:Rabbit
Target Name:SLC2A8
Sample Tissue:Human Fetal Heart

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Antibody Dilution: 1.0µg/ml



Host:Rabbit
Target Name:SLC2A8
Sample Tissue:Human Fetal Liver
Antibody Dilution: 1.0µg/ml