OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA334129

GLUT4 (SLC2A4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-SLC2A4 Antibody: synthetic peptide directed towards the N terminal of human SLC2A4. Synthetic peptide located within the following region: LQFGYNIGVINAPQKVIEQSYNETWLGRQGPEGPSSIPPGTLTTLWALSV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	solute carrier family 2 member 4
Database Link:	NP_001033 Entrez Gene 6517 Human P14672

View online »

Background: SLC2A4 is a member of the solute carrier family 2 (facilitated glucose transporter) family and functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus.This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

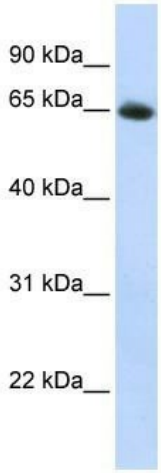
Synonyms: GLUT4

Note: Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Mouse: 93%; Zebrafish: 79%

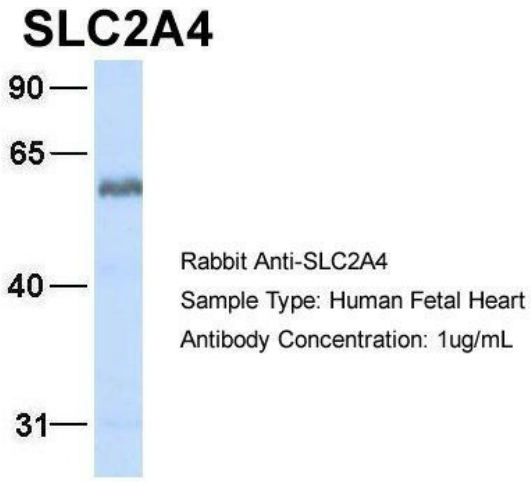
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Adipocytokine signaling pathway, Insulin signaling pathway, Type II diabetes mellitus

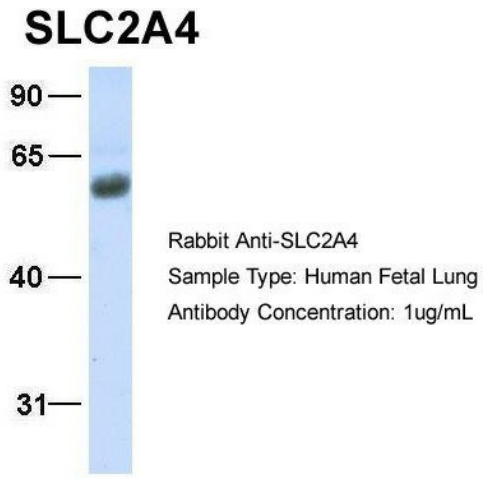
Product images:



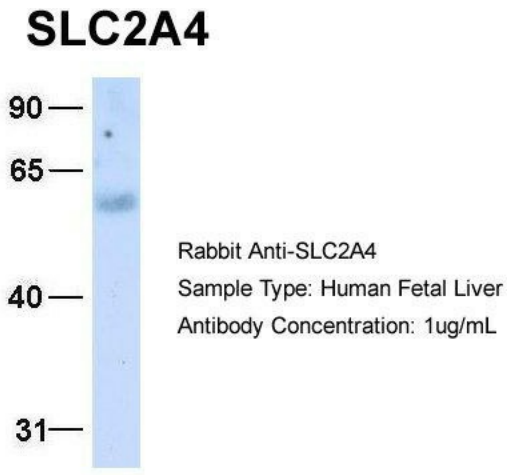
WB Suggested Anti-SLC2A4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HepG2 cell lysate



Host: Rabbit; Target Name: SLC2A4; Sample Tissue: Human Fetal Heart; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: SLC2A4; Sample Tissue: Human Fetal Lung; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: SLC2A4; Sample Tissue: Human Fetal Liver; Antibody Dilution: 1.0 ug/ml