10320 Camino Santa Fe, Suite G
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SLC2A12 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10200b

Specification

SLC2A12 Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q8TD20
Other Accession	NP_660159.1

SLC2A12 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 154091

Other Names
Solute carrier family 2, facilitated glucose transporter member 12, Glucose transporter type 12, GLUT-12, SLC2A12, GLUT12, GLUT8

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC2A12 Antibody (C-term) Blocking peptide - Protein Information

Name SLC2A12 (HGNC:18067)

Function
Insulin-independent facilitative glucose transporter.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q8BFW9}; Multi-pass membrane protein. Endomembrane system {ECO:0000250|UniProtKB:Q5J316}; Multi-pass membrane protein. Cytoplasm, perinuclear region. Note=Localizes primarily perinuclear region in the absence of insulin.

Tissue Location
Predominantly expressed in skeletal muscle, heart and prostate, with lower levels in brain, placenta and kidney

SLC2A12 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

SLC2A12 Antibody (C-term) Blocking peptide - Images

SLC2A12 Antibody (C-term) Blocking peptide - Background

SLC2A12 belongs to a family of transporters that catalyzethe uptake of sugars through facilitated diffusion (Rogers et al.,2002). This family of transporters show conservation of 12transmembrane helices as well as functionally significant aminoacid residues (Joost and Thorens, 2001 [PubMed 11780753]).[suppliedby OMIM].

SLC2A12 Antibody (C-term) Blocking peptide - References

Stuart, C.A., et al. J. Clin. Endocrinol. Metab. 94(9):3535-3542(2009)Vieira, A.R., et al. Genet. Med. 10(9):668-674(2008)Stuart, C.A., et al. Am. J. Physiol. Endocrinol. Metab. 291 (5), E1067-E1073 (2006) :Linden, K.C., et al. Am. J. Physiol. Renal Physiol. 290 (1), F205-F213 (2006) :Rogers, S., et al. Biochem. Biophys. Res. Commun. 308(3):422-426(2003)