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SLC2A9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16871a

Product Information

Application	WB, E
Primary Accession	Q9NRM0
Other Accession	NP_064425.2, NP_001001290.1
Reactivity	Human
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30332
Calculated MW	58702
Antigen Region	75-104

Additional Information

Gene ID	56606
Other Names	Solute carrier family 2, facilitated glucose transporter member 9, Glucose transporter type 9, GLUT-9, SLC2A9, GLUT9
Target/Specificity	This SLC2A9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the N-terminal region of human SLC2A9.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLC2A9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLC2A9 {ECO:0000303|PubMed:10860667, ECO:0000312|HGNC:HGNC:13446}
Function	High-capacity urate transporter, which may play a role in the urate

	reabsorption by proximal tubules (PubMed:18327257, PubMed:18701466, PubMed:22647630, PubMed:28083649, PubMed:36749388). May have a residual high-affinity, low-capacity glucose and fructose transporter activity (PubMed:18327257, PubMed:18701466, PubMed:18842065). Transports urate at rates 45- to 60-fold faster than glucose (PubMed:18842065). Does not transport galactose (PubMed:28083649). May mediate small uptake of adenine but not of other nucleobases (PubMed:22647630).
Cellular Location	[Isoform 1]: Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein
Tissue Location	[Isoform 1]: Most strongly expressed in basolateral membranes of proximal renal tubular cells, liver and placenta. Also detected in lung, blood leukocytes, heart skeletal muscle and chondrocytes from articular cartilage. Detected in kidney membrane (at protein level).

Background

This gene encodes a member of the SLC2A facilitative glucose transporter family. Members of this family play a significant role in maintaining glucose homeostasis. The encoded protein may play a role in the development and survival of chondrocytes in cartilage matrices. Two transcript variants encoding distinct isoforms have been identified for this gene.

References

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Facheris, M.F., et al. J. Mol. Neurosci. (2010) In press :
Houlihan, L.M., et al. Hum. Mol. Genet. 19(11):2321-2330(2010)
Urano, W., et al. Ann. Rheum. Dis. 69(5):932-933(2010)
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.