

SLC2A7 Rabbit pAb

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Catalog # AP57947

Product Information

Application	WB
Primary Accession	Q6PXP3
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55728
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC2A7
Epitope Specificity	1-100/512
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC2A7 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion (Li et al., 2004). This family of transporters shows conservation of 12 transmembrane helices as well as functionally significant amino acid residues (Joost and Thorens, 2001 [PubMed 11780753]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	155184
Other Names	Solute carrier family 2, facilitated glucose transporter member 7, Glucose transporter type 7, GLUT-7, hGLUT7, SLC2A7 {ECO:0000303 PubMed:15033637, ECO:0000312 HGNC:HGNC:13445}
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC2A7 {ECO:0000303 PubMed:15033637,
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Function

Probable sugar transporter (PubMed: [28083649](#)). Even if its physiological substrate is subject to discussion, it is able to transport glucose and fructose (PubMed:[16186102](#), PubMed:[28083649](#), PubMed:[29548810](#)). Does not transport galactose, 2-deoxy-d-glucose and xylose (PubMed:[15033637](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein

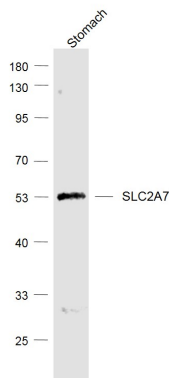
Tissue Location

Expressed in small intestine and colon (PubMed:15033637). Weakly expressed in testis and prostate (PubMed:15033637).

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Images



Sample:

Stomach (Mouse) Lysate at 40 ug

Primary: Anti-SLC2A7 (AP57947) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

Observed band size: 56 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.