GLUT12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GLUT12, Polyclonal Antibody
Full Product Name	GLUT12 Antibody HRP Conjugated
Product Gene Name	anti-GLUT12 antibody
Product Synonym Names	GLUT8; GLUT12; Solute carrier family 2, facilitated glucose transporter member 12; Glucose transporter type 12; GLUT-12; SLC2A12
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% Gentamicin.
Purity/Purification	Purified by Protein A
Concentration	1mgml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months.
Molecular Weight	66,966 Da
3D Structure	ModBase 3D Structure for Q8TD20
Conjugation	HRP
Immunogen	KLH conjugated synthetic peptide aa 299-317 617 derived from human GLUT12
Product Categories/Family for anti-GLUT12 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-GLUT12 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Application Notes for anti-GLUT12 antibody	WB: 1:100-1000 IHC: 1:100-500
Related Product Information for anti-GLUT12 antibody	GLUT12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion. Thirteen different types of glucose fructose transport carrier proteins designated as Glut 1-13 facilitate glucose fructose transport across the cell membrane. Individual members of the Glut family have predicted secondary structure characteristic of 12 membrane spanning domains of other transport carriers.
Other Notes	Small volumes of anti-GLUT12 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GLUT12 purchase	MBS9461079 is an antibody targeting GLUT12. Also known as GLUT12 Antibody HRP Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLUT12. It may not necessarily be applicable to this product.

NCBI GI #	19172484

NCBI GeneID	154091
NCBI Accession #	AAL02327.1
UniProt Primary Accession #	Q8TD20
UniProt Secondary Accession #	Q7Z6U3; Q96MR8; B3KV17
UniProt Related Accession #	Q8TD20
NCBI Official Full Name	glucose transporter protein 12
NCBI Official Synonym Full Names	solute carrier family 2 member 12
NCBI Official Symbol	SLC2A12
NCBI Official Synonym Symbols	GLUT8; GLUT12
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 12
UniProt Synonym Protein Names	Glucose transporter type 12; GLUT-12
UniProt Gene Name	SLC2A12
UniProt Synonym Gene Names	GLUT12; GLUT8; GLUT-12
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 12
NCBI Summary for GLUT12	SLC2A12 belongs to a family of transporters that catalyze the uptake of sugars through facilitated diffusion (Rogers et al., 2002). This family of transporters show conservation of 12 transmembrane helices as well as functionally significant amino acid residues (Joost and Thorens, 2001 [PubMed 11780753]).[supplied by OMIM, Mar 2008]
UniProt Comments for GLUT12	Facilitative glucose transporter.
Research Articles on GLUT12	**1.** GLUT12-knockdown completely abrogated high glucose-induced migration, indicating that GLUT12 functionally participates in sensing high glucose concentrations.
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