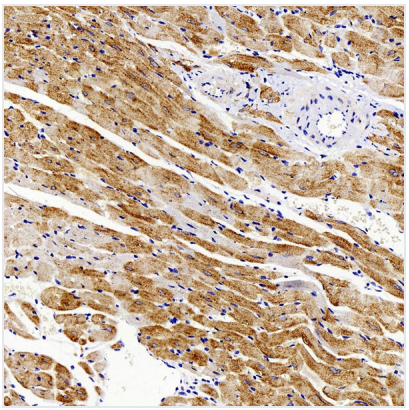
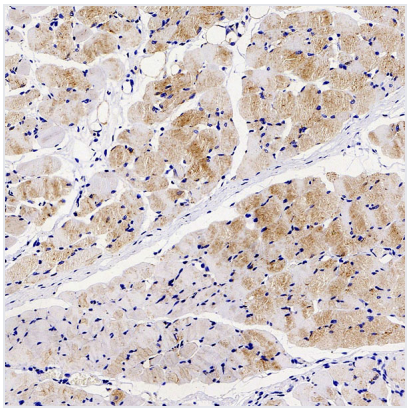
GLUT-4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GLUT-4, Polyclonal Antibody
Full Product Name	GLUT-4 Polyclonal Antibody
Product Gene Name	anti-GLUT-4 antibody
Product Synonym Names	insulin-responsive; Glucose transporter GLUT 4; Glucose transporter type 4; Glucose transporter type 4 insulin responsive; GLUT 4; GLUT-4; GLUT4; GTR4; Insulin responsive glucose transporter type 4; kug; SLC 2A4; SLC2A4; solute carrier family 2 (facilitated glucose transporter) member 4; Solute carrier family 2 member 4; Solute carrier family 2; facilitated glucose transporter member 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Purity/Purification	Affinity Purification
Concentration	1.4 mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	54,755 Da
3D Structure	ModBase 3D Structure for P14142
Immunogen	KLH conjugated synthetic peptide corresponding to Mouse GLUT4
Conjugation	Unconjugated
Product Categories/Family for anti-GLUT-4 antibody	Cancer; Cardiovascular; Metabolism; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GLUT-4 antibody	Immunohistochemistry (IHC)
Application Notes for anti-GLUT-4 antibody	IHC: 1:500-1:1500
Related Product Information for anti-GLUT-4 antibody	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).
Other Notes	Small volumes of anti-GLUT-4 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 GLUT-4 purchase	MBS2556125 is an antibody targeting GLUT-4. Also known as GLUT-4 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-GLUT-4 antibody
Immunohistochemistry analysis of paraffin-embedded mouse skeletal muscle using GLUT-4 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry (IHC) of anti-GLUT-4 antibody
Immunohistochemistry analysis of paraffin-embedded rat skeletal muscle using GLUT-4 Polyclonal Antibody at dilution of 1:300.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLUT-4. It may not necessarily be applicable to this product.

NCBI GI #	118026925
NCBI GeneID	20528
NCBI Accession #	NP_033230.2
UniProt Primary Accession #	P14142
UniProt Secondary Accession #	Q3TPK6; Q9JJN9
UniProt Related Accession #	P14142
GenBank Nucleotide #	NM_009204.2
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 4 isoform 1
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 4
NCBI Official Symbol	Slc2a4
NCBI Official Synonym Symbols	GT2; twgy; Glut4; Glut-4
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 4
UniProt Synonym Protein Names	GT2; Glucose transporter type 4, insulin-responsive; GLUT-4
Protein Family	Solute carrier family
UniProt Gene Name	Slc2a4
UniProt Synonym Gene Names	Glut-4; Glut4; GLUT-4
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 4
UniProt Comments for GLUT-4	Insulin-regulated facilitative glucose transporter.
Research Articles on GLUT-4	**1.** Those findings provide new insight into the mechanisms responsible for AMPKalpha2-dependent regulation of GLUT4 transcription after exercise.
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