

Rabbit GLUT-3 Polyclonal Antibody | anti-GLUT-3 antibody

GLUT-3 Polyclonal Antibody

CATALOG # AAA174443	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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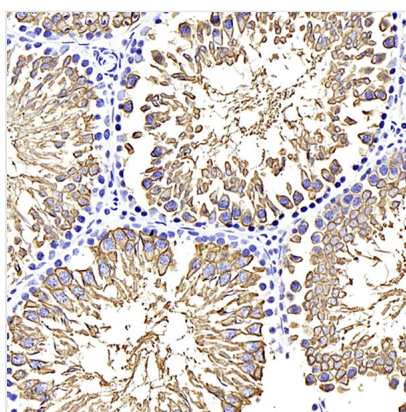
PRODUCT SYNONYMS

GLUT-3; Polyclonal Antibody; GLUT-3 Polyclonal Antibody; brain; FLJ90380; Glucose transporter type 3; Glucose transporter type 3 brain; GLUT 3; GLUT3; GTR3; Slc2a3; Solute Carrier Family 2 (Facilitated Glucose Transporter) Member 3; Solute carrier family 2; facilitated glucose transporter member 3; anti-GLUT-3 antibody

PRODUCT SPECIFICATIONS

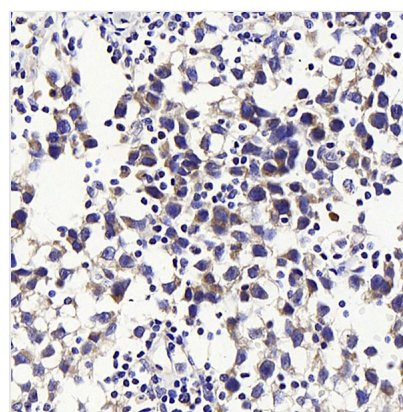
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Concentration	360 mug/mL (varies by lot)
Sequence Length	496
Applicable Applications for anti-GLUT-3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide corresponding to Mouse GLUT3
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



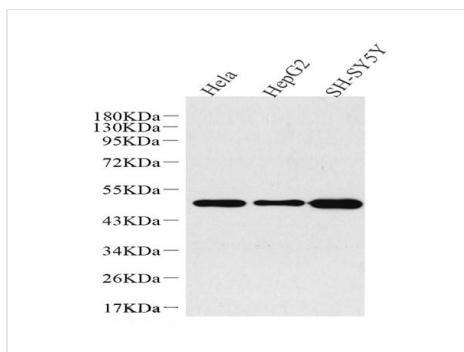
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded rat testis using GLUT-3 Polyclonal Antibody at dilution of 1:400.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human testis cancer using GLUT-3 Polyclonal Antibody at dilution of 1:300.



WB (Western Blot)

Western Blot analysis of various samples using GLUT-3 Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-GLUT-3 antibody

Glucose transporter 3 (or GLUT3), also known as solute carrier family 2, facilitated glucose transporter member 3 (SLC2A3) is a protein that in humans is encoded by the SLC2A3 gene. GLUT3 facilitates the transport of glucose across the plasma membranes of mammalian cells. GLUT3 is most known for its specific expression in neurons and has originally been designated as the neuronal GLUT. GLUT3 has been studied in other cell types with specific glucose requirements, including sperm, preimplantation embryos, circulating white blood cells and carcinoma cell lines. GLUT3 has both a higher affinity for glucose and at least a fivefold greater transport capacity than GLUT1, GLUT2 and GLUT4, which is particularly significant for its role in neuronal glucose transport, where ambient glucose levels are fivefold lower than in serum.

Product Categories/Family for anti-GLUT-3 antibody

[Cancer](#); [Cell Biology](#); [Metabolism](#); [Signal transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902090
NCBI GeneID	6515
NCBI Accession #	NP_008862.1
NCBI GenBank Nucleotide #	NM_006931.3
UniProt Accession #	P11169; Q6I9U2; Q9UG15; B2R606; D3DUU6
Molecular Weight	Calculated: 48kDa Observed: 48kDa
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 3
NCBI Official Synonym Full Names	solute carrier family 2 member 3
NCBI Official Symbol	SLC2A3
NCBI Official Synonym Symbols	GLUT3
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 3
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 3
UniProt Gene Name	SLC2A3
UniProt Synonym Gene Names	GLUT3; GLUT-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.