

GLUT-1 (ABT197R) rabbit mAb

Catalog No :	YM7128
Reactivity :	Human;Mouse;(predicted: Rat)
Applications :	IHC; ELISA
Target :	GLUT-1
Fields :	>>HIF-1 signaling pathway;>>Insulin secretion;>>Thyroid hormone signaling pathway;>>Adipocytokine signaling pathway;>>Glucagon signaling pathway;>>Insulin resistance;>>Bile secretion;>>Human T-cell leukemia virus 1 infection;>>Pathways in cancer;>>Renal cell carcinoma;>>Central carbon metabolism in cancer;>>Diabetic cardiomyopathy
Gene Name :	SLC2A1
Protein Name :	Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, erythrocyte/brain) (GLUT-1) (HepG2 glucose transporter)
Human Gene Id :	6513
Human Swiss Prot No :	P11166
Immunogen :	Synthesized peptide derived from human GLUT-1 AA range:400-492
Specificity :	This antibody detects endogenous levels of GLUT-1
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Background :	This gene encodes a major glucose transporter in the mammalian blood-brain

barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. [provided by RefSeq, Apr 2013],

Function :

disease:Defects in SLC2A1 are the cause of autosomal dominant GLUT1 deficiency syndrome [MIM:606777]; also called blood-brain barrier glucose transport defect. This disease causes a defect in glucose transport across the blood-brain barrier. It is characterized by infantile seizures, delayed development, and acquired microcephaly.,disease:Defects in SLC2A1 are the cause of dystonia type 18 (DYT18) [MIM:612126]. DYT18 is an exercise-induced paroxysmal dystonia/dyskinesia. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYT18 is characterized by attacks of involuntary movements triggered by certain stimuli such as sudden movement or prolonged exercise. In some patients involuntary exertion-induced dystonic, choreoathetotic, and ballistic movements may be associated with macrocytic hemolytic anemia.,function:Facilitative g

Subcellular Location :

Membranous

Expression :

Detected in erythrocytes (at protein level). Expressed at variable levels in many human tissues.

Tag :

recombinant

Sort :

6635

No4 :

1

Host :

Rabbit

Modifications :

Unmodified

Products Images