

GLUT1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250671

Unit: 0.1 mg

Description:

Glucose transporter type 1 (GLUT1 or SLC2A1) is a glucose transporter responsible for constitutive or basal glucose uptake. GLUT1 has a very broad substrate specificity such as pentoses and hexoses. GLUT1 is expressed at variable levels in many human tissues. Defects in GLUT1 are the cause of autosomal dominant GLUT1 deficiency syndrome, a blood-brain barrier glucose transport defect characterized by infantile seizures and delayed development. Defects in GLUT1 are also the cause of dystonia type 18 (DYT18), an exercise-induced paroxysmal dystonia/dyskinesia (muscle contraction disorders).

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, P, R

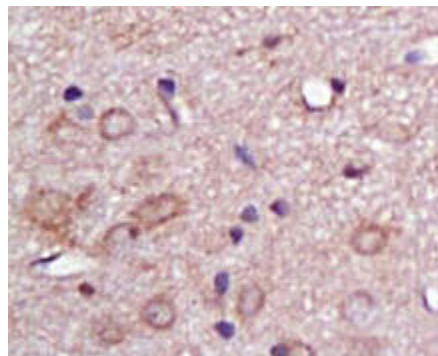
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: GLUT1; Glucose transporter type 1; GLUT-1; Solute carrier family 2, facilitated glucose transporter member 1; HepG2 glucose transporter; SLC2A1

Accession No.: P11166

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GLUT1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



GLUT1 staining in rat brain. Formalin-fixed paraffin-embedded rat brain tissue is stained with GLUT1 Antibody (Cat. No. 250671) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Wang D et al. 2013. Elsevier. Pharmacology Biochemistry and Behavior. Doi.org/10.1016/j.pbb.2013.03.003. PMID# 23541490

For research use only, not for diagnostic or therapeutic procedures.