

**RABBIT ANTI-GLUT-1
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AB1340	QUANTITY:	50 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
ALTERNATE NAMES:	Glucose Transporter type 1; Slc2a1; Solute carrier family 2, facilitated glucose transporter, member 1	EPITOPE:	C-terminus
BACKGROUND:	GLUT-1 belongs to the glucose transporter family of integral membrane proteins that mediate facilitative glucose uptake by cells. The GLUT-1 isoform is expressed on red blood cells, perineurium, and the blood-brain barrier. It functions in constitutive or basal glucose uptake in adult tissues and is the predominant glucose transporter in embryonic and fetal tissues (Smoak <i>et al.</i> , 2000).		
SPECIFICITY:	Recognizes rat GLUT-1. This antibody detects a major band ~42-45 kDa in Western blot analysis of purified rat brain extract.		
APPLICATIONS:	Western blotting: 0.25 µg/mL Immunocytochemistry Immunohistochemistry Electron Microscopy ELISA <i>Optimal working dilutions must be determined by end user.</i>		
SPECIES REACTIVITY:	Human, Mouse, Rat. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Synthetic peptide corresponding amino acids with the C-terminus of rat GLUT-1 coupled to KLH (C-ELFHPLGADSQV).		
FORMAT:	Peptide-affinity purified immunoglobulin.		
PRESENTATION:	Liquid in 0.02M Phosphate Buffer, 0.25M NaCl, with 0.1% sodium azide.		
STORAGE/HANDLING:	Maintain at 2-8°C for up to 12 months from date of receipt.		
REFERENCES:	Barry, James S, <i>et al</i> (2006). Developmental changes in ovine myocardial glucose transporters and insulin signaling following hyperthermia-induced intrauterine fetal growth restriction. <i>Exp Biol Med (Maywood)</i> 231 : 566-75.		

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Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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