

Datasheet for ABIN962094 **anti-GLUT1 antibody (C-Term)**



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Overview

Quantity:	100 µg
Target:	GLUT1 (SLC2A1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A 15aa peptide sequence near the C-terminus, cytoplasmic domain of human Glut-1 (KLH coupled).
	Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Recognizes GLUT 1 (Glucose Transporter 1). Species sequence Homology: porcine, bovine, rabbit, mouse, rat: 100 % . Antibodies made to this sequence from this region have detected Glut-1 from human (RBC) and rabbit brain and mouse 3T3 L1 fibroblasts and rat brain adipocytes. It also recognizes the Hep G2 type transporter and Glut-1 from Caco-2 cells.
Purification:	Immunoaffinity purified

Target Details

Target:	GLUT1 (SLC2A1)
Alternative Name:	SLC2A1 / GLUT-1 (SLC2A1 Products)
Background:	Name/Gene ID: SLC2A1 Subfamily: Sugar transporter Family: Transporter Synonyms: SLC2A1, EIG12, GLUT1DS, DYT17, DYT18, DYT9, Glucose transporter 1, HepG2 glucose transporter, Glucose transporter GLUT1, GLUT-1, GLUT1, PED
Gene ID:	6513
UniProt:	P11166
Pathways:	Sensory Perception of Sound , Dicarboxylic Acid Transport , Warburg Effect

Application Details

Application Notes:	Approved: ELISA (0.5 - 1 µg/mL), IHC (2 - 10 µg/mL), WB (1 - 10 µg/mL) Usage: Suitable for use in ELISA, Western Blot and Immunohistochemistry. Western Blot: 1-10 µg/mL using ECL. Identifies a major band at about 42-45kD from purified rat brain membranes. Immunohistochemistry: 2-10 µg/mL. ELISA: 0.5-1 µg/mL. Control peptide can be used to coat ELISA plates at 1 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.4, 0.1 % BSA, 0.05 % sodium azide, 40 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.