

## Anti-GLUT3 Polyclonal Antibody 2

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 54 kDa. Actual: 60 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Sample: HepG2 (Human) Cell Lysate at 30 µg SH-SY5Y (Human) Cell Lysate at 30 µg NIH/3T3 (Mouse) Cell Lysate at 30 µg Raw264.7 (Mouse) Cell Lysate at 30 µg Cerebrum (Mouse) Lysate at 40 µg Cerebrum (Rat) Lysate at 40 µg Testis (Rat) Lysate at 40 µg Primary: Anti-GLUT3 (TMAB-06551) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54/60 kD Observed band size: 60 kD
Application:	WB
Recommended	WB: 1:500-2000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GLUT3
Antigen Species:	Human
Gene ID:	6515
Uniprot ID:	P11169

## Research Background

May act as a glucose transporter in neurons; may mediate increased glucose uptake in response to neuronal injury. Glucose is fundamental to the metabolism of mammalian cells. Several glucose transporter protein (Glut) isoforms have been identified and shown to function in response to insulin and IGF1 induced signaling. GLUT3 is detectable in a few normal cell type spermatids in testis with active spermatogenesis, placental trophoblast membranes, and neurons in brain. GLUT3 staining is also detectable in human cancers including those of the ovary, lung, and testis. Alternative names: FLJ90380; Glucose Transporter Type 3; Glucose transporter type 3 brain; GLUT 3; GLUT3; SLC2A3; Solute Carrier Family 2 (Facilitated Glucose Transporter) Member 3.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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