10320 Camino Santa Fe, Suite G
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Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody

Catalog # ABO13806

Specification

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	P11169
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 6515

Other Names
Solute carrier family 2, facilitated glucose transporter member 3, Glucose transporter type 3, brain, GLUT-3, SLC2A3 (HGNC:11007)

Calculated MW
53924 MW KDa

Application Details
WB 1:500-1:2000

Subcellular Localization
Cell membrane ; Multi-pass membrane protein.

Tissue Specificity
Highly expressed in brain. Expressed in many tissues..

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human GLUT3

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term**

storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Protein Information

Name SLC2A3 (HGNC:11007)

Function
Facilitative glucose transporter (PubMed:26176916, PubMed:32860739, PubMed:9477959). Can also mediate the uptake of various other monosaccharides across the cell membrane (PubMed:26176916, PubMed:9477959). Mediates the uptake of glucose, 2- deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate (PubMed:26176916, PubMed:9477959). Does not mediate fructose transport (PubMed:26176916, PubMed:9477959). Required for mesendoderm differentiation (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Perikaryon {ECO:0000250|UniProtKB:Q07647}. Cell projection {ECO:0000250|UniProtKB:Q07647}. Note=Localized to densely spaced patches along neuronal processes. {ECO:0000250|UniProtKB:Q07647}

Tissue Location
Highly expressed in brain (PubMed:8457197). Expressed in many tissues.

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GLUT3 SLC2A3 Rabbit Monoclonal Antibody - Images

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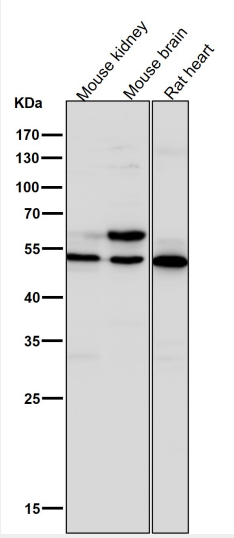
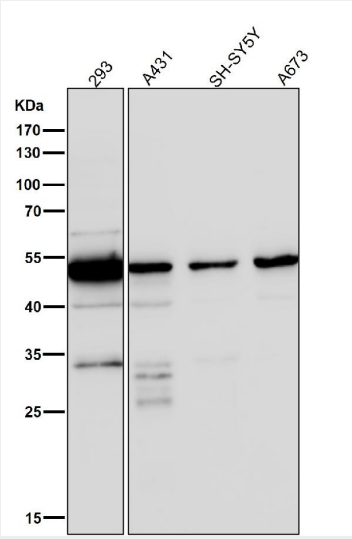


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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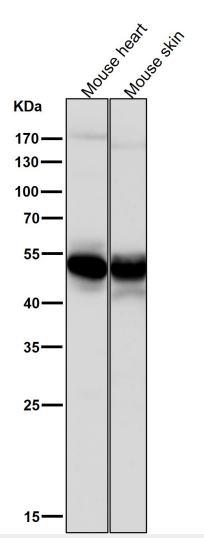

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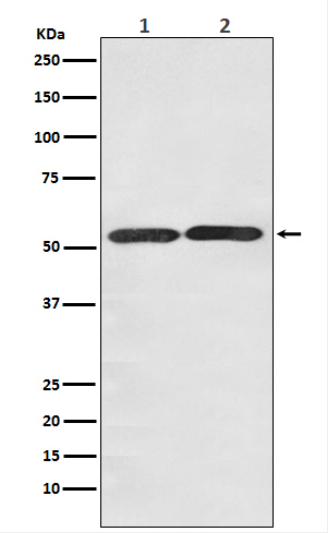

Western blot analysis of GLUT3 expression in (1) HepG2 cell lysate; (2) NIH/3T3 cell lysate.