

## Anti-SLC2A3 Antibody (8D585)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8D585
Purification:	Affinity-chromatography

## Applications

## 1. Western Blot

-Positive WB detected in: 293 whole cell lysate (20µg), JK whole cell lysate (20µg), Hela whole cell lysate (20µg), HepG2 whole cell lysate (20µg), SY5Y whole cell lysate (20µg)

-All lanes: SLC2A3 antibody at 1:1000

-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution

-Predicted band size: 54 kDa

-Observed band size: 54 kDa

-Exposure time: 60s

2. IHC image of TMAH-01104 diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

3. IHC image of TMAH-01104 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

4. IHC image of TMAH-01104 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

5. Overlay Peak curve showing MCF7 cells stained with TMAH-01104 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1\*10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

Verified Activity:

## A DRUG SCREENING EXPERT

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Application: ELISA,FCM,IHC,WB

Recommended WB:1:500-1:2000; IHC:1:50-1:200; FCM:1:50-1:200.

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthetic peptide: Human SLC2A3

Antigen Species: Human

Gene ID: 6515

Uniprot ID: P11169

Synonyms: Glucose transporter type 3;GLUT-3;Solute carrier family 2;GLUT3;facilitated glucose transporter member 3

Biology Area: Cancer, Cell biology, Metabolism, Signal transduction

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### Research Background

Facilitative glucose transporter that can also mediate the uptake of various other monosaccharides across the cell membrane. Mediates the uptake of glucose, 2-deoxyglucose, galactose, mannose, xylose and fucose, and probably also dehydroascorbate. Does not mediate fructose transport.

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

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