
SGLT1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251498

Unit: 0.1 mg

Description:

Sodium/glucose cotransporter 1 (SGLT1) actively transports glucose into cells by Na⁺ co-transport with a Na⁺ to glucose coupling ratio of 2:1. Efficient substrate transport in mammalian kidneys is provided by the concerted action of a low affinity, high capacity, and a high affinity low capacity Na⁺/glucose co-transporter arranged in series along kidney proximal tubules. Defects in SGLT1 are the cause of congenital glucose/galactose malabsorption (GGM). GGM is an intestinal monosaccharide transporter deficiency. GGM is an autosomal recessive disorder manifesting itself within the first weeks of life. It is characterized by severe diarrhea and dehydration which are usually fatal unless glucose and galactose are eliminated from the diet.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: SGLT1; Sodium/glucose cotransporter 1; Na(+)/glucose cotransporter 1; High affinity sodium-glucose cotransporter; Solute carrier family 5 member 1; SLC5A1; NAGT

Accession No.: P13866

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SGLT1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.