
Slc35D1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253875

Unit: 0.1 mg

Description:

The solute carrier family Slc35 consists of at least 17 proteins that act as nucleotide sugar transporters localized to the Golgi apparatus and endoplasmic reticulum. The role of the ER-resident Slc family member Slc35D1 is to transport both UDP-glucuronic acid and UDP-N-acetylgalactosamine. These molecules can serve as substrates for chondroitin sulfate biosynthesis and mice lacking the Slc35D1 gene developed a lethal form of skeletal dysplasia with severe shortening of limbs and facial structures. Examination of epiphyseal cartilage in these mice revealed a decreased proliferating zone with round chondrocytes, scarce matrices, and reduced proteoglycan aggregates. Loss of function mutations in human Slc35D1 cause Schneckenbecken dysplasia, a severe skeletal dysplasia. This antibody is predicted to not cross-react with the highly homologous Slc35D2.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Slc35D1 ; Solute carrier family 35 member D1; UDP-glucuronic acid/UDP-N-acetylgalactosamine transporter

Accession No.: NP_055954

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Slc35D1.

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