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Datasheet

SLC35D1 polyclonal antibody

Catalog Number: PAB13384

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SLC35D1.

Immunogen: Recombinant protein corresponding to N-terminus 14 amino acids of human SLC35D1.

Host: Rabbit

Reactivity: Human,Mouse,Rat

Applications: WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Recommend Usage: Western Blot (1-2 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.02% sodium azide)

Storage Instruction: Store at 4°C for three months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 23169

Gene Symbol: SLC35D1

Gene Alias: KIAA0260, MGC138236, UGTREL7

Gene Summary: Glycosylation of cellular glycoconjugates occurs in the endoplasmic reticulum (ER) and Golgi compartment, and requires transport of nucleotide sugars from the cytosol into the lumen of the ER and Golgi by specific transporters. The protein encoded by this gene resides in the ER, and transports both UDP-glucuronic acid (UDP-GlcA) and UDP-N-acetylgalactosamine (UDP-GalNAc) from the cytoplasm to the ER lumen. It may participate in glucuronidation and/or chondroitin sulfate biosynthesis. Mutations in this gene are associated with Schneckenbecken dysplasia]

References:

1. Nucleotide-sugar transporter SLC35D1 is critical to chondroitin sulfate synthesis in cartilage and skeletal development in mouse and human. Hiraoka S, Furuichi T, Nishimura G, Shibata S, Yanagishita M, Rimoin DL, Superti-Furga A, Nikkels PG, Ogawa M, Katsuyama K, Toyoda H, Kinoshita-Toyoda A, Ishida N, Isono K, Sanai Y, Cohn DH, Koseki H, Ikegawa S. Nat Med. 2007 Nov;13(11):1363-7. Epub 2007 Oct 21.
2. Molecular physiology and pathology of the nucleotide sugar transporter family (SLC35). Ishida N, Kawakita M. Pflugers Arch. 2004 Feb;447(5):768-75. Epub 2003 May 21.
3. Molecular characterization of human UDP-glucuronic acid/UDP-N-acetylgalactosamine transporter, a novel nucleotide sugar transporter with dual substrate specificity. Muraoka M, Kawakita M, Ishida N. FEBS Lett. 2001 Apr 20;495(1-2):87-93.