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Datasheet for ABIN6990925
anti-SLC35D1 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	SLC35D1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC35D1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Slc35D1 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of the human Slc35D1. The immunogen is located within the first 50 amino acids of Slc35D1.
Isotype:	IgG
Specificity:	This antibody is predicted to not cross-react with the highly homologous Slc35D2.
Purification:	Slc35D1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC35D1
Alternative Name:	Slc35D1 (SLC35D1 Products)

Target Details

Background:	Slc35D1 Antibody: 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.
Gene ID:	23169
NCBI Accession:	NP_055954
UniProt:	Q9NTN3
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Slc35D1 antibody can be used for detection of Slc35D1 by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Slc35D1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	Slc35D1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.