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Product datasheet for TA306594

SLC35D1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Slc35D1 antibody was raised against a 14 amino acid peptide near the amino terminus of the human Slc35D1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	solute carrier family 35 member D1
Database Link:	NP_055954 Entrez Gene 242585 MouseEntrez Gene 298280 RatEntrez Gene 23169 Human Q9NTN3

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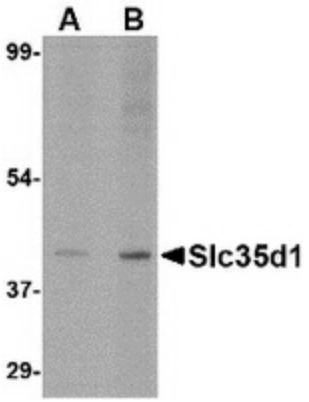
Background: The solute carrier family Slc35 consists of at least 17 proteins that act as nucleotide sugar transporters localized to the Golgi apparatus and endoplasmic reticulum. The role of the ER-resident Slc family member Slc35D1 is to transport both UDP-glucuronic acid and UDP-N-acetylgalactosamine. 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 chrondrocytes, 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.

Synonyms: UGTREL7

Protein Families: Transmembrane

Product images:



Western blot analysis of Slc35D1 inA-20 lysate with Slc35D1 antibody at (A) 1 and (B) 2 ug/ml.