



## Rabbit Anti-SLC35D2 antibody

SL19824R

<b>Product Name:</b>	SLC35D2
<b>Chinese Name:</b>	溶质载体家族蛋白35成员D2抗体
<b>Alias:</b>	Fringe connection; HFRC 1; Hfrc; HFRC1; Homolog of Fringe connection protein 1; MGC117215; MGC142139; Nucleotide sugar transporter UGTrel8; S35D2_HUMAN; SLC35D2; Solute carrier family 35 member D2; SQV 7L; SQV7-like protein; SQV7L; UDP N acetylglucosamine transporter; UDP-galactose transporter-related protein 8; UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter; UGTrel 8; UGTrel8.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLC35D2:201-300/337<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Nucleotide sugars, which are synthesized in the cytosol or the nucleus, are high-energy

donor substrates for glycosyltransferases located in the lumen of the endoplasmic reticulum and Golgi apparatus. Translocation of nucleotide sugars from the cytosol into the lumen compartment is mediated by specific nucleotide sugar transporters, such as SLC35D2 (Suda et al., 2004 [PubMed 15082721]).[supplied by OMIM, Mar 2008]

**Function:**

Antiporter transporting nucleotide sugars such as UDP-N-acetylglucosamine (UDP-GlcNAc), UDP-glucose (UDP-Glc) and GDP-mannose (GDP-Man) pooled in the cytosol into the lumen of the Golgi in exchange for the corresponding nucleosides monophosphates (UMP for UDP-sugars and GMP for GDP-sugars). May take part in heparan sulfate synthesis by supplying UDP-Glc-NAc, the donor substrate, and thus be involved in growth factor signaling.

**Subcellular Location:**

Golgi apparatus membrane.

**Tissue Specificity:**

Highly expressed in heart, kidney, small intestine, placenta, lung and peripheral blood leukocyte. Weakly expressed in skeletal muscle and spleen. Not expressed in brain, colon and thymus.

**Similarity:**

Belongs to the TPT transporter family. SLC35D subfamily.

**SWISS:**

Q76EJ3

**Gene ID:**

11046

**Database links:**

[Entrez Gene: 11046](#) Human

[Omim: 609182](#) Human

[SwissProt: Q76EJ3](#) Human

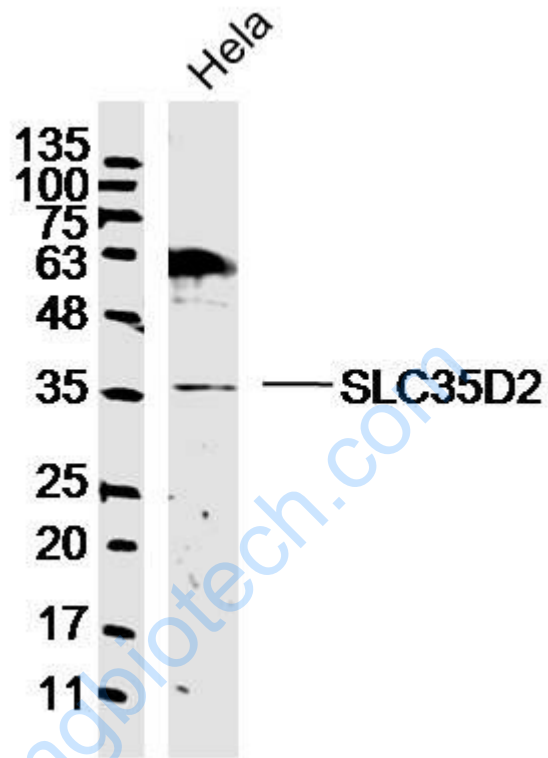
[Unigene: 494556](#) Human

[Unigene: 731624](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: HeLa Cell (Human) Lysate at 40 ug

Primary: Anti- SLC35D2 (SL19824R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD

Observed band size: 37 kD