

SLC35D2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS15890**Specification**

SLC35D2 Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, ICC, E
Primary Accession	Q76EJ3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A E~~N/A

SLC35D2 Antibody (C-Terminus) - Additional Information**Gene ID** 11046**Other Names**

UDP-N-acetylglucosamine/UDP-glucose/GDP-mannose transporter, Homolog of Fringe connection protein 1, HFRC1, SQV7-like protein, SQV7L, Solute carrier family 35 member D2, UDP-galactose transporter-related protein 8, UGTrel8, SLC35D2, HFRC, UGTREL8

Target/Specificity

Human SLC35D2. At least two isoforms of SLC35D2 are known to exist; this antibody will recognize both isoforms. SLC35D2 antibody is predicted to not cross-react with SLC35D1 or SLC35D3.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SLC35D2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC35D2 Antibody (C-Terminus) - Protein Information**Name** SLC35D2 ([HGNC:20799](#))**Function**

Nucleotide sugar antiporter transporting UDP-N- acetylglucosamine (UDP-GlcNAc) and UDP-glucose (UDP-Glc) from the cytosol into the lumen of the Golgi in exchange of UMP. By supplying UDP-N-acetylglucosamine, a donor substrate to heparan sulfate synthases, probably takes part in the synthesis of these glycoconjugates.

Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein

Tissue Location

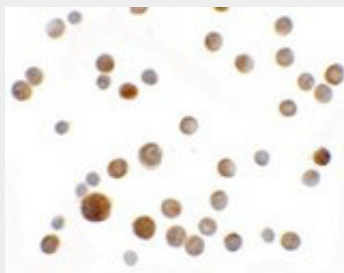
Highly expressed in heart, kidney, small intestine, placenta, lung and peripheral blood leukocyte. Weakly expressed in skeletal muscle and spleen. Not expressed in brain, colon and thymus

SLC35D2 Antibody (C-Terminus) - Protocols

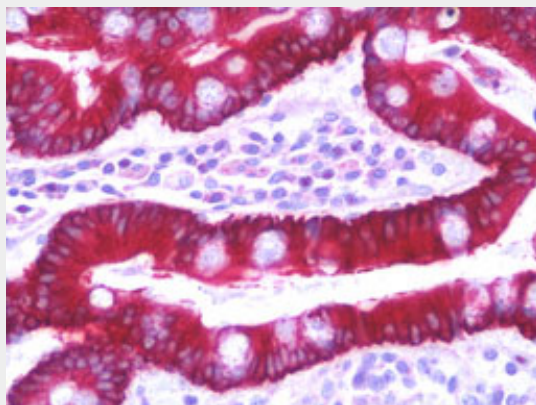
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

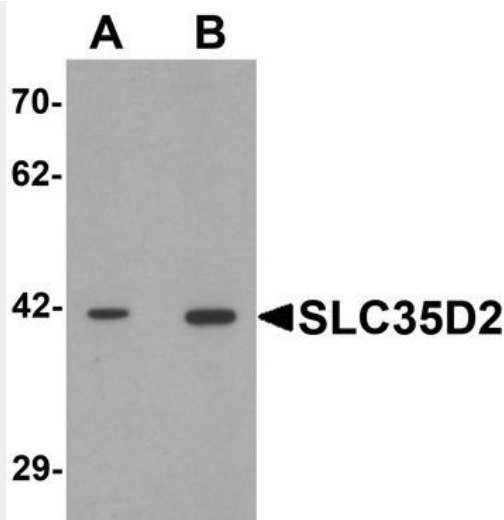
SLC35D2 Antibody (C-Terminus) - Images



Immunocytochemistry of SLC35D2 in HeLa cells with SLC35D2 antibody at 5 µg/mL.



Anti-SLC35D2 antibody IHC staining of human small intestine.



Western blot analysis of SLC35D2 in HeLa cell lysate with SLC35D2 antibody at (A) 1 and (B) 2 ug/ml.

SLC35D2 Antibody (C-Terminus) - Background

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.

SLC35D2 Antibody (C-Terminus) - References

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Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Herman T.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:974-979(1999).