

SLC35D1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13727**Specification****SLC35D1 Antibody (N-Terminus) - Product Information**

Application	WB, IHC
Primary Accession	Q9NTN3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

SLC35D1 Antibody (N-Terminus) - Additional Information**Gene ID** 23169**Other Names**

UDP-glucuronic acid/UDP-N-acetylgalactosamine transporter, UDP-GlcA/UDP-GalNAc transporter, Solute carrier family 35 member D1, UDP-galactose transporter-related protein 7, UGTrel7, SLC35D1, KIAA0260, UGTREL7

Reconstitution & Storage

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

Precautions

SLC35D1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC35D1 Antibody (N-Terminus) - Protein Information**Name** SLC35D1 {ECO:0000303|PubMed:31423530}**Synonyms** KIAA0260, UGTREL7**Function**

Antiporter that transports nucleotide sugars across the endoplasmic reticulum (ER) membrane in exchange for either their cognate nucleoside monophosphate or another nucleotide sugar (PubMed:16965264, PubMed:17599910, PubMed:31423530). Transports various UDP-sugars including UDP-N-acetyl-alpha-D-glucosamine (UDP-GlcNAc), UDP-N-acetyl-alpha-D-galactosamine (UDP-GalNAc) and UDP-alpha-D- glucuronate (UDP-GlcA), which are used by ER glucosyltransferases as sugar donors for the synthesis of sugar chains of glycoproteins, glycolipids and oligosaccharides (PubMed:11322953, PubMed:16965264, PubMed:17599910, PubMed:17599910, PubMed:17599910).

[31423530](http://www.uniprot.org/citations/31423530), PubMed: [17952091](http://www.uniprot.org/citations/17952091)). May couple UDP- GlcNAc or UDP-GalNAc efflux to UDP-GlcA influx into the ER lumen that in turn stimulates glucuronidation and subsequent excretion of endobiotics and xenobiotics (PubMed: [16965264](http://www.uniprot.org/citations/16965264), PubMed: [17599910](http://www.uniprot.org/citations/17599910)). Plays a role in chondroitin sulfate biosynthesis, which is important for formation of cartilage extracellular matrix and normal skeletal development (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

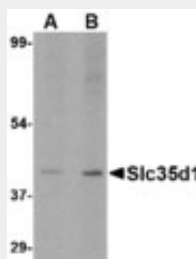
Ubiquitous..

SLC35D1 Antibody (N-Terminus) - Protocols

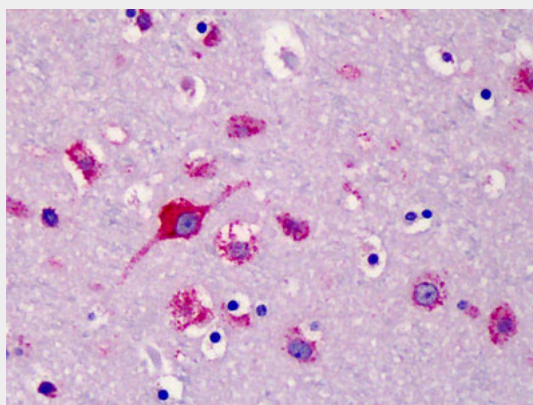
Provided below are standard protocols that you may find useful for product applications.

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

SLC35D1 Antibody (N-Terminus) - Images



Western blot of SLC35D1 in A-20 lysate with SLC35D1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-SLC35D1 antibody IHC of human brain, cortex.

SLC35D1 Antibody (N-Terminus) - Background

Transports both UDP-glucuronic acid (UDP-GlcA) and UDP- N-acetylgalactosamine (UDP-GalNAc) from the cytoplasm to into the endoplasmic reticulum lumen. May participate in glucuronidation and/or chondroitin sulfate biosynthesis.

SLC35D1 Antibody (N-Terminus) - References

Muraoka M.,et al.FEBS Lett. 495:87-93(2001).
Nagase T.,et al.DNA Res. 3:321-329(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Hiraoka S.,et al.Nat. Med. 13:1363-1367(2007).