10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

S35D1 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16127

Product Information

Application	WB
Primary Accession	Q9NTN3
Other Accession	NP_055954
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39240

Additional Information

Gene ID	23169
Alias Symbol	SLC35D1, KIAA0260, UGTREL7,
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
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-S35D1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	S35D1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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:17952091, PubMed:31423530). 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, PubMed: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..

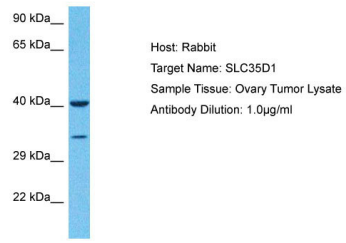
Background

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.

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).

Images



Host: Rabbit
Target Name: S35D1
Sample Tissue: Ovary Tumor lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.