

Datasheet for 600-401-EP4**SLC35D2 Antibody****Overview**

Description:	Anti-SLC35D2 (RABBIT) Antibody - 600-401-EP4
Item No.:	600-401-EP4
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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 SLC35D2 is to transport both UDP-glucuronic acid and UDP-N-acetylgalactosamine. Its overexpression in transfected cells modulated cell surface heparin sulfate expression, suggesting that SLC35D2 is involved in heparin sulfate synthesis. SLC35D2-overexpressing cells also showed increased constitutive and hypotonic stress-stimulated release of UDP-GlcNAc, suggesting that SLC35D2 may be involved in UDP-sugar release and cell signaling.
Synonyms:	SLC35D2 Antibody, hfrc, HFRC1, SQV7L, UGTrel8, HFRC, UGTREL8, Homolog of Fringe connection protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC35D2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLC35D2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the C-terminus of human SLC35D2.

Purity/Specificity: Anti-SLC35D2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.

Relevant Links:

- [UniProtKB - Q76EJ3](#)
- [GeneID - 11046](#)
- [NCBI - NP_008932](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-SLC35D2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 37 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

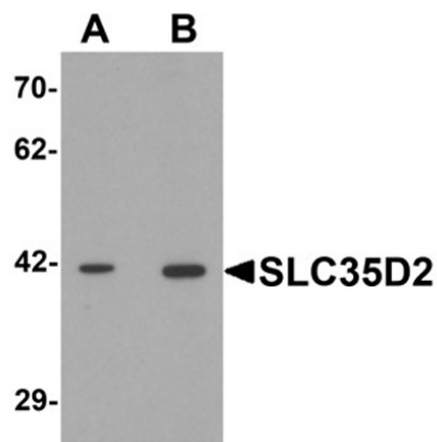
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

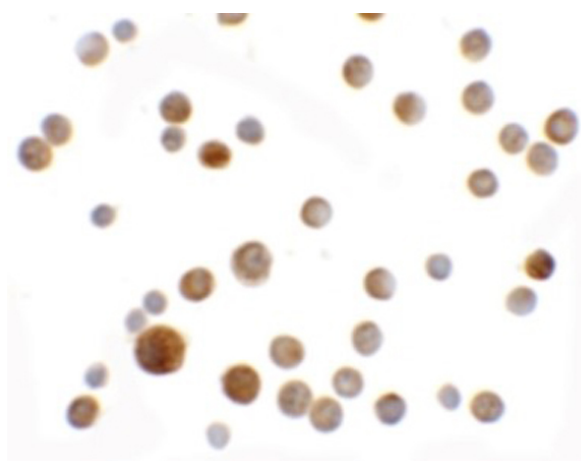


Western Blot

Western blot analysis of SLC35D2.

Load: HeLa cell lysate.

Primary Antibody: SLC35D2 antibody at (A) 1 µg/mL and (B) 2 µg/mL.



Immunocytochemistry

Immunocytochemistry of SLC35D2.

Cell: HeLa cells.

Primary Antibody: SLC35D2 antibody at 5 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.