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Datasheet for 600-401-EP1

SLC29A1 Antibody

Overview

Description:	Anti-SLC29A1 (RABBIT) Antibody - 600-401-EP1
Item No.:	600-401-EP1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SLC29A1 is a member of the equilibrative nucleoside transporter family which plays a key role in nucleoside and nucleobase uptake for salvage pathways of nucleotide synthesis (1,2). SLC29A1 is a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium (3). As a nucleoside transporter, SLC29A1 plays an important role in the uptake of nucleoside-based anti-cancer drugs; polymorphisms of point mutations in the gene encoding this protein may affect the efficacy of these drugs (4).
Synonyms:	Solute carrier family 29 member 1, Equilibrative nucleoside transporter 1, ENT1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLC29A1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLC29A1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human SLC29A1.

Purity/Specificity:	Anti-SLC29A1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SLC29A1 antibody is human specific. SLC29A1 antibody is predicted to not cross-react with other SLC29 proteins.
Relevant Links:	• UniProtKB - Q99808 • GeneID - 2030 • NCBI - NP_004946

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-SLC29A1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 50 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
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

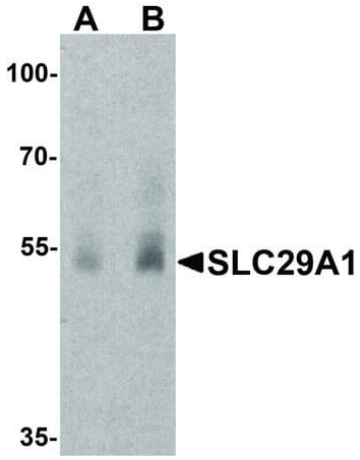
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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 of Rabbit anti-SLC29A1 antibody. Lane A: human ovary tissue lysate at 1 µg/mL. Lane B: human ovary tissue lysate at 2 µg/mL. Primary antibody: SLC29A1 antibody overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 37 kDa, 41 kDa for SLC29A1.

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