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Datasheet for ABIN387940 anti-SLC29A1 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	SLC29A1
Binding Specificity:	AA 402-431, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC29A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This ENT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 402-431 amino acids from the C-terminal region of human ENT1.
Clone:	RB09157
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

Target:

SLC29A1

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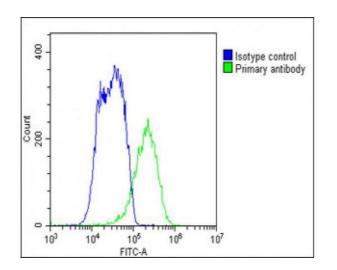
Target Details	
Alternative Name:	ENT1 (SLC29A1 Products)
Background:	ENT1 is a member of the equilibrative nucleoside transporter family. It is a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies.
Molecular Weight:	50219
Gene ID:	2030
NCBI Accession:	NP_001071642, NP_001071643, NP_001071644, NP_001071645, NP_004946
UniProt:	Q99808
Pathways:	Carbohydrate Homeostasis, Synaptic Membrane
Application Details	
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P-Leica: 1:500. FC: 1:25
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Product cited in:

Hedlund, Karlsson, Osborn, Ludwig, Isacson: "Global gene expression profiling of somatic motor neuron populations with different vulnerability identify molecules and pathways of degeneration and protection." in: **Brain : a journal of neurology**, Vol. 133, Issue Pt 8, pp. 2313-30, (2010) (PubMed).

Images



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Flow Cytometry

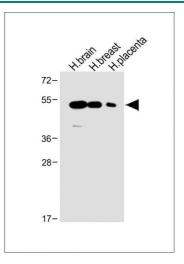
Image 1. Overlay histogram showing HepG2 cells stained with B(green line). The cells were fixed with 2 % paraformaldehyde 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (B, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/1x10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

Western Blotting

Image 2. All lanes : Anti-ENT1 Antibody (C-term) at 1:1000 dilution Lane 1: Human heart lysate Lane 2: Human breast lysate Lane 3: Human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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Images



Western Blotting

Image 3. All lanes : Anti-ENT1 Antibody (C-term) at 1:1000 dilution Lane 1: Human brain lysate Lane 2: Human breast lysate Lane 3: Human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 5 images are available for ABIN387940.