Datasheet for ABIN387941

anti-SLC29A1 antibody (AA 234-263)

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Overview

Quantity:	200 µL
Target:	SLC29A1
Binding Specificity:	AA 234-263
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC29A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ENT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-263 amino acids from the Central region of rat ENT1(O54698).
Clone:	RB28016
Isotype:	IgG
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SLC29A1
Alternative Name:	ENT1 (SLC29A1 Products)

Target Details

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: 1:2000. WB: 1:1000
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.
Handling Advice:	Avoid freeze-thaw cycles.
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.
Expiry Date:	6 months

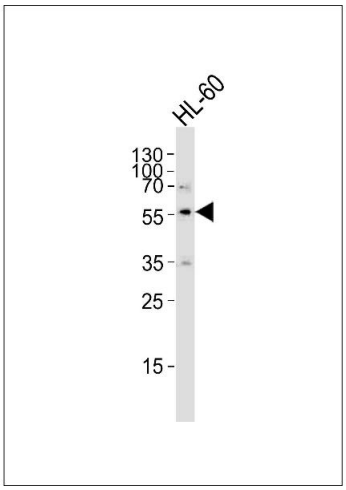
Publications

Product cited in:

Niemann, Haufs-Brusberg, Puetz, Feickert, Jaeckstein, Hoffmann, Zurkovic, Heine, Trautmann, Müller, Tönjes, Schlein, Jafari, Eltzschig, Gnad, Blüher, Krahmer, Kovacs, Heeren, Pfeifer: " Apoptotic brown adipocytes enhance energy expenditure via extracellular inosine." in: **Nature**, (2022) (PubMed).

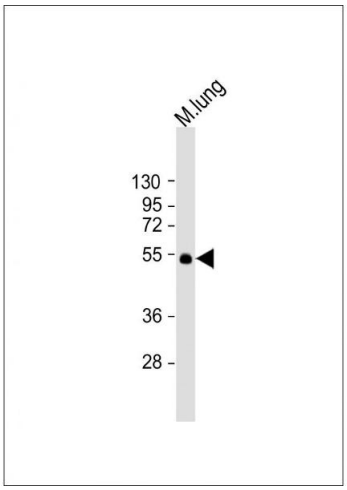
Ibarra, Pfeiffer: "Reduced ribavirin antiviral efficacy via nucleoside transporter-mediated drug resistance." in: **Journal of virology**, Vol. 83, Issue 9, pp. 4538-47, (2009) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of lysate from HL-60 cell line, using ENT1(Slc29a1) Antibody (Center) (ABIN387941 and ABIN2844498). (ABIN387941 and ABIN2844498) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



Western Blotting

Image 2. Anti-ENT1(Slc29a1) Antibody (Center) at 1:2000 dilution + mouse lung 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.