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Anti-CNT1 Antibody

Catalog # AP51864

Product Information

Application	WB
Primary Accession	O00337
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71584

Additional Information

Gene ID	9154
Other Names	CNT1; Sodium/nucleoside cotransporter 1; Concentrative nucleoside transporter 1; CNT 1; hCNT1; Na(+)/nucleoside cotransporter 1; Sodium-coupled nucleoside transporter 1; Solute carrier family 28 member 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CNT1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

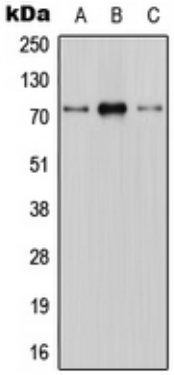
Name	SLC28A1 (HGNC:11001)
Function	Sodium and pyrimidine nucleoside symporter of the plasma membrane that imports uridine, thymidine and cytidine into cells by coupling their transport to the transmembrane sodium electrochemical gradient. Also transports adenosine, an atypical substrate transported with high apparent affinity, but low maximum velocity. Therefore, exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (PubMed:10455109, PubMed:14701834, PubMed:15194733, PubMed:21795683, PubMed:21998139, PubMed:30658162, PubMed:32126230, PubMed:9124315). Involved in renal nucleoside (re)absorption (PubMed:30658162).
Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q62674}. Apical cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q62674}

Tissue Location	Expressed in kidney..

References

Ritzel M.W.L.,et al.Am. J. Physiol. 272:C707-C714(1997).
Ritzel M.W.L.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).
Loewen S.K.,et al.J. Biol. Chem. 274:24475-24484(1999).

Images



Western blot analysis of CNT1 expression in HEK293T (A), mouse brain (B), H9C2 (C) whole cell lysates. (Predicted band size: 71 kD; Observed band size: 80 kD)

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