

SLC28A2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50592**Specification**

SLC28A2 Antibody - Product Information

Application	WB, IHC
Primary Accession	O43868
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72 KDa
Antigen Region	385-414

SLC28A2 Antibody - Additional Information**Gene ID** 9153**Other Names**

Sodium/nucleoside cotransporter 2, Concentrative nucleoside transporter 2, CNT 2, hCNT2, Na(+)/nucleoside cotransporter 2, Sodium-coupled nucleoside transporter 2, Sodium/purine nucleoside co-transporter, SPNT, Solute carrier family 28 member 2, SLC28A2, CNT2

Dilution

WB~~ 1:1000

IHC~~1:50-1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

SLC28A2 Antibody - Protein Information**Name** SLC28A2**Synonyms** CNT2**Function**

Sodium-dependent and purine-selective transporter (PubMed:9435697, PubMed:10087507). Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine) (PubMed:9435697, PubMed:10087507, PubMed:21795683).

target="_blank">21795683). Plays a critical role in specific uptake and salvage of purine nucleosides in kidney and other tissues (PubMed:9435697). May contribute to regulate the transport of organic compounds in testes across the blood-testis- barrier (Probable).

Cellular Location

Membrane; Multi-pass membrane protein. Apicolateral cell membrane; Multi-pass membrane protein. Note=Localized to the apicolateral membranes of Sertoli cells and vascular endothelial cells in testis

Tissue Location

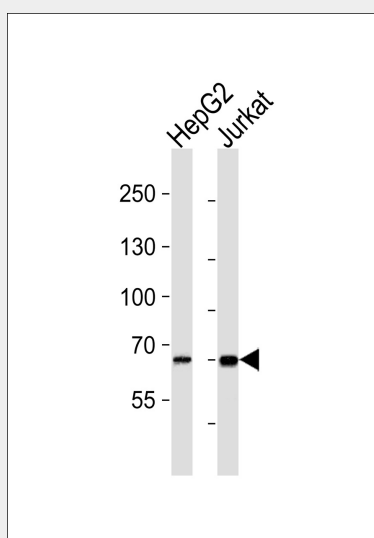
Expressed in heart and skeletal muscle followed by liver, kidney, intestine, pancreas, placenta and brain (PubMed:9435697). Weak expression in lung (PubMed:9435697). In testis, primarily localized to the apicolateral membranes of Sertoli cells and vascular endothelial cells, and weakly expressed in Leydig cells, peritubular myoid cells and germ cells (PubMed:35307651)

SLC28A2 Antibody - Protocols

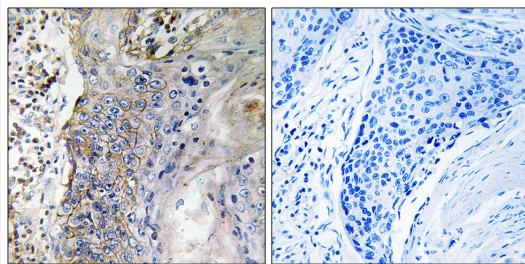
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC28A2 Antibody - Images



Western blot analysis of lysates from HepG2, Jurkat cell line (from left to right), using SLC28A2 Antibody (AP50592). AP50592 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using SLC28A2 antibody.

SLC28A2 Antibody - Background

Sodium-dependent and purine-selective transporter. Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine). Plays a critical role in specific uptake and salvage of purine nucleosides in kidney and other tissues.

SLC28A2 Antibody - References

Wang J.,et al.Am. J. Physiol. 273:F1058-F1065(1997).
Ritzel M.W.L.,et al.Mol. Membr. Biol. 15:203-211(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Loewen S.K.,et al.J. Biol. Chem. 274:24475-24484(1999).
Owen R.P.,et al.Pharmacogenet. Genomics 15:83-90(2005).