

Anti-CNT2 Antibody
Rabbit polyclonal antibody to CNT2
Catalog # AP59770**Specification**

Anti-CNT2 Antibody - Product Information

Application	WB, IHC
Primary Accession	O43868
Other Accession	O88627
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71926

Anti-CNT2 Antibody - Additional Information**Gene ID** 9153**Other Names**

CNT2; 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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CNT2. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)
IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

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

Sodium-dependent and purine-selective transporter (PubMed:10087507, PubMed:9435697). Exhibits the

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

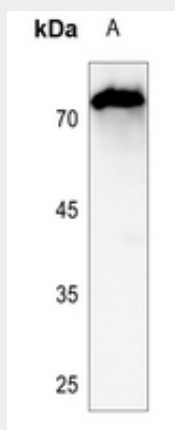
Expressed in heart and skeletal muscle followed by liver, kidney, intestine, pancreas, placenta and brain (PubMed:9435697). Weak expression in lung (PubMed:9435697). In testis, primarily localized to the apicolateral membranes of Sertoli cells and vascular endothelial cells, and weakly expressed in Leydig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

Anti-CNT2 Antibody - Protocols

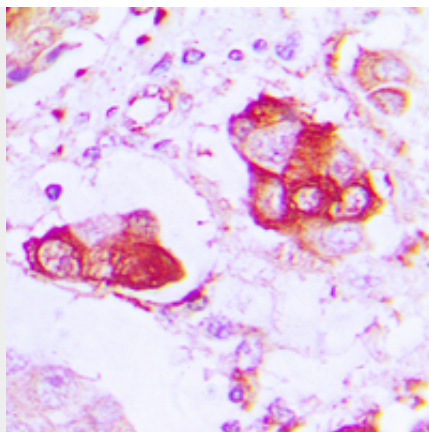
Provided below are standard protocols that you may find useful for product applications.

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

Anti-CNT2 Antibody - Images



Western blot analysis of CNT2 expression in HEK293T (A) whole cell lysates.



Immunohistochemical analysis of CNT2 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CNT2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CNT2. The exact sequence is proprietary.