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CNT2 Polyclonal Antibody

Catalog # AP69187

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O43868
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71926

Additional Information

Gene ID	9153
Other Names	SLC28A2; 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
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

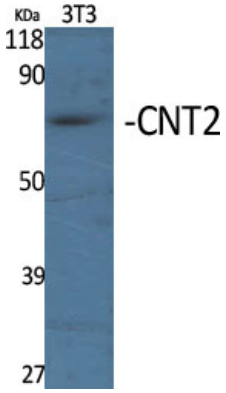
Name	SLC28A2
Synonyms	CNT2
Function	Sodium-dependent and purine-selective transporter (PubMed: 10087507, PubMed:9435697). Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine) (PubMed:10087507, PubMed:21795683, 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)

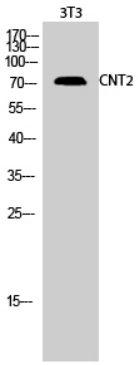
Background

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.

Images



Western Blot analysis of various cells using CNT2 Polyclonal Antibody



Western Blot analysis of 3T3 cells using CNT2 Polyclonal Antibody

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