

ENT2 Rabbit mAb

Catalog # AP75403

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	Q14542
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	50113

Additional Information

Gene ID	3177
Other Names	SLC29A2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	SLC29A2 (HGNC:11004)
Synonyms	DER12, ENT2, HNP36
Function	Bidirectional uniporter involved in the facilitative transport of nucleosides and nucleobases, and contributes to maintaining their cellular homeostasis (PubMed: 10722669 , PubMed: 12527552 , PubMed: 12590919 , PubMed: 16214850 , PubMed: 21795683 , PubMed: 9396714 , PubMed: 9478986). Functions as a Na(+) -independent, passive transporter (PubMed: 9478986). Involved in the transport of nucleosides such as inosine, adenosine, uridine, thymidine, cytidine and guanosine (PubMed: 10722669 , PubMed: 12527552 , PubMed: 12590919 , PubMed: 16214850 , PubMed: 21795683 , PubMed: 9396714 , PubMed: 9478986). Also able to transport purine nucleobases (hypoxanthine, adenine, guanine) and pyrimidine nucleobases (thymine, uracil) (PubMed: 16214850 , PubMed: 21795683). Involved in nucleoside transport at basolateral membrane of kidney cells, allowing liver absorption of nucleoside metabolites (PubMed: 12527552). Mediates apical nucleoside uptake into Sertoli cells, thereby regulating the transport of nucleosides in testis across the blood-testis-barrier (PubMed: 23639800). Mediates both the influx and efflux of hypoxanthine in skeletal muscle microvascular endothelial cells to

control the amount of intracellular hypoxanthine available for xanthine oxidase-mediated ROS production (By similarity).

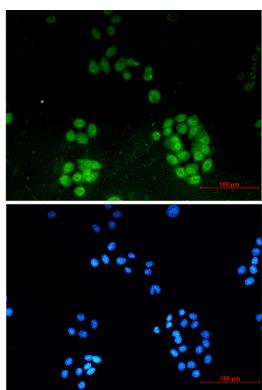
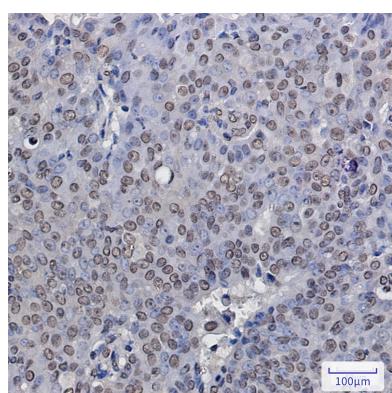
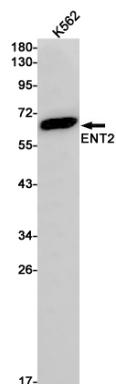
Cellular Location

Apical cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Note=Localized to the apical membrane of Sertoli cells.

Tissue Location

Highly expressed in skeletal muscle (PubMed:9478986). Expressed in liver, lung, placenta, brain, heart, kidney and ovarian tissues (PubMed:9478986). Expressed in testis at the blood-brain-barrier (PubMed:23639800).

Images



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