

ENT2 Rabbit mAb
Catalog # AP75403**Specification****ENT2 Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	Q14542
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	50113

ENT2 Rabbit mAb - Additional Information

Gene ID 3177

Other Names
SLC29A2**Dilution**
WB~~1/500-1/1000
IHC~~1/50-1/100
IF~~1/50-1/200**Format**
Liquid**ENT2 Rabbit mAb - 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](http://www.uniprot.org/citations/10722669), PubMed: [12527552](http://www.uniprot.org/citations/12527552), PubMed: [12590919](http://www.uniprot.org/citations/12590919), PubMed: [16214850](http://www.uniprot.org/citations/16214850), PubMed: [21795683](http://www.uniprot.org/citations/21795683), PubMed: [9396714](http://www.uniprot.org/citations/9396714), PubMed: [9478986](http://www.uniprot.org/citations/9478986)). Functions as a Na(+)-independent, passive transporter (PubMed: [9478986](http://www.uniprot.org/citations/9478986)). Involved in the transport of nucleosides such as inosine, adenosine, uridine, thymidine, cytidine and guanosine (PubMed: [10722669](http://www.uniprot.org/citations/10722669), PubMed: [12527552](http://www.uniprot.org/citations/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).

ENT2 Rabbit mAb - 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](#)

ENT2 Rabbit mAb - Images



