

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

Application	WB, IHC, IF
Primary Accession	<a href="#">Q14542</a>
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: <a href="http://www.uniprot.org/citations/12590919" target="\_blank">12590919</a>, PubMed: <a href="http://www.uniprot.org/citations/16214850" target="\_blank">16214850</a>, PubMed: <a href="http://www.uniprot.org/citations/21795683" target="\_blank">21795683</a>, PubMed: <a href="http://www.uniprot.org/citations/9396714" target="\_blank">9396714</a>, PubMed: <a href="http://www.uniprot.org/citations/9478986" target="\_blank">9478986</a>). Also able to transport purine nucleobases (hypoxanthine, adenine, guanine) and pyrimidine nucleobases (thymine, uracil) (PubMed: <a href="http://www.uniprot.org/citations/16214850" target="\_blank">16214850</a>, PubMed: <a href="http://www.uniprot.org/citations/21795683" target="\_blank">21795683</a>). Involved in nucleoside transport at basolateral membrane of kidney cells, allowing liver absorption of nucleoside metabolites (PubMed: <a href="http://www.uniprot.org/citations/12527552" target="\_blank">12527552</a>). Mediates apical nucleoside uptake into Sertoli cells, thereby regulating the transport of nucleosides in testis across the blood-testis-barrier (PubMed: <a href="http://www.uniprot.org/citations/23639800" target="\_blank">23639800</a>). 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



