

SLC29A2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12326**Specification**

SLC29A2 antibody - N-terminal region - Product Information

Application	WB, IHC
Primary Accession	Q14542
Other Accession	NM_001532 , NP_001523
Reactivity	Human, Rabbit
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa kDa

SLC29A2 antibody - N-terminal region - Additional Information**Gene ID 3177**

Alias Symbol **DER12, ENT2, HNP36**

Other Names

Equilibrative nucleoside transporter 2, 36 kDa nucleolar protein HNP36, Delayed-early response protein 12, Equilibrative nitrobenzylmercaptapurine riboside-insensitive nucleoside transporter, Equilibrative NBMPR-insensitive nucleoside transporter, Hydrophobic nucleolar protein, 36 kDa, Nucleoside transporter, ei-type, Solute carrier family 29 member 2, SLC29A2, DER12, ENT2, HNP36

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-SLC29A2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SLC29A2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC29A2 antibody - N-terminal region - 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

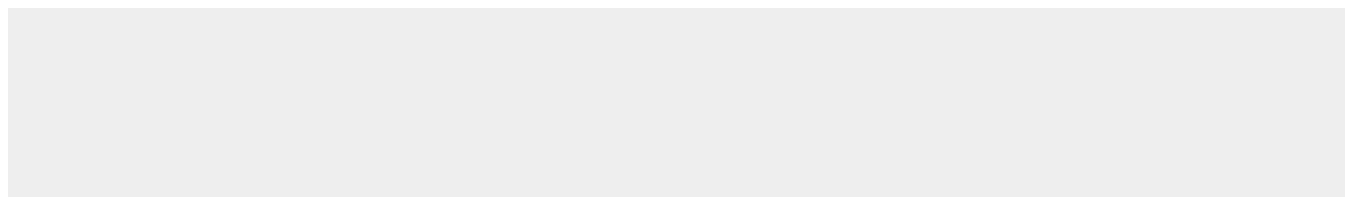
Highly expressed in skeletal muscle (PubMed:9478986). Expressed in liver, lung, placenta, brain, heart, kidney and ovarian tissues (PubMed:9478986). Expressed in testis at the blood-brain-barrier (PubMed:23639800).

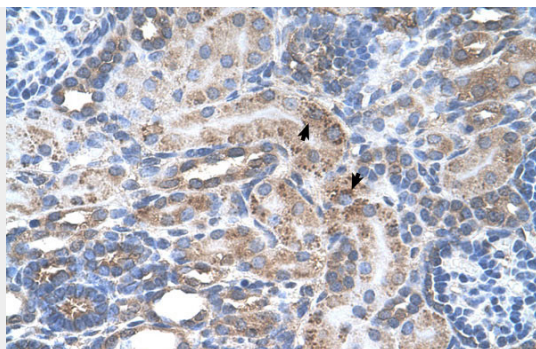
SLC29A2 antibody - N-terminal region - Protocols

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

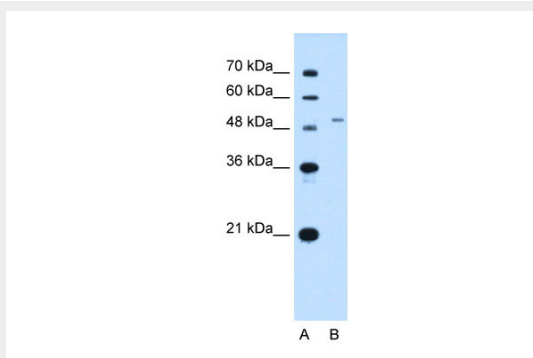
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC29A2 antibody - N-terminal region - Images





Human kidney



WB Suggested Antibody Titration: 2.5 µg/ml

Positive Control: HepG2

SLC29A2 antibody - N-terminal region - References

Owen, R. P., (2006) Drug Metab. Dispos. 34(1), 12-15 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. Publications: Okuda, H., Higashi, Y., Nishida, K., Fujimoto, S. & Nagasawa, K. Contribution of P2X7 receptor to adenosine uptake by cultured mouse astrocytes. Glia 58, 1757-65 (2010). WB, Human, Rabbit 20645413