

SLC14A1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12878**Specification**

SLC14A1 antibody - C-terminal region - Product Information

Application	IHC, WB
Primary Accession	Q13336
Other Accession	NM_015865 , NP_056949
Reactivity	Human, Mouse, Pig, Goat, Sheep, Horse, Bovine, Dog
Predicted Host	Human, Pig, Goat, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 42kDa KDa

SLC14A1 antibody - C-terminal region - Additional Information**Gene ID** 6563

Alias Symbol	FLJ33745, FLJ41687, HUT11, HsT1341, JK, RACH1, UT-B1, UT1, UTE
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Other Names

Urea transporter 1, Solute carrier family 14 member 1, Urea transporter, erythrocyte, SLC14A1, HUT11, JK, RACH1, UT1, UTE

Format

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

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SLC14A1 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

SLC14A1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC14A1 antibody - C-terminal region - Protein Information

Name SLC14A1

Synonyms HUT11, JK, RACH1, UT1, UTE

Function

Mediates the transport of urea driven by a concentration gradient across the cell membrane of erythrocytes (PubMed: [7989337](http://www.uniprot.org/citations/7989337), PubMed: [10514515](http://www.uniprot.org/citations/10514515), PubMed: [7797558](http://www.uniprot.org/citations/7797558))

target="_blank">7797558, PubMed:8997401). Also mediates the transport of urea across the cell membrane of the renal inner medullary collecting duct which is critical to the urinary concentrating mechanism (By similarity). Facilitates water transport in erythrocytes (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:Q8VHL0}; Multi-pass membrane protein. Note=Restricted to the basolateral membrane in various portions of the urothelium. {ECO:0000250|UniProtKB:Q8VHL0}

Tissue Location

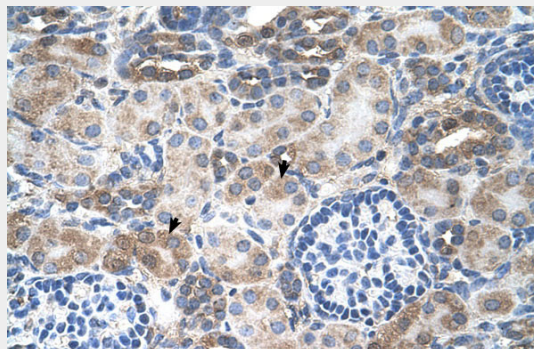
Detected in erythrocytes (at protein level) (PubMed:23219802). Expressed in spleen erythroblasts and tumoral kidney (PubMed:7989337).

SLC14A1 antibody - C-terminal region - Protocols

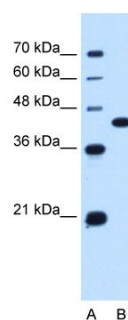
Provided below are standard protocols that you may find useful for product applications.

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

SLC14A1 antibody - C-terminal region - Images



Human kidney



WB Suggested Anti-SLC14A1 Antibody Titration: 0.25µg/ml
Positive Control: Jurkat cell lysate

SLC14A1 antibody - C-terminal region - References

Inoue, H., Am. J. Physiol., Cell Physiol. 287(1), C30-C35 (2004) 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.