

# SLC14A1 antibody - C-terminal region

Rabbit Polyclonal Antibody  
Catalog # AI12878

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q13336</a>
<b>Other Accession</b>	<a href="#">NM_015865</a> , <a href="#">NP_056949</a>
<b>Reactivity</b>	Human, Mouse, Pig, Goat, Dog, Horse, Bovine, Sheep
<b>Predicted</b>	Human, Pig, Goat, Dog
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	42528

## Additional Information

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<b>Gene ID</b>	6563
<b>Alias Symbol</b> <b>Other Names</b>	FLJ33745, FLJ41687, HUT11, HsT1341, JK, RACH1, UT-B1, UT1, UTE Urea transporter 1, Solute carrier family 14 member 1, Urea transporter, erythrocyte, SLC14A1, HUT11, JK, RACH1, UT1, UTE
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	SLC14A1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SLC14A1
<b>Synonyms</b>	HUT11, JK, RACH1, UT1, UTE
<b>Function</b>	Mediates the transport of urea driven by a concentration gradient across the cell membrane of erythrocytes (PubMed: <a href="#">10514515</a> , PubMed: <a href="#">7797558</a> , PubMed: <a href="#">7989337</a> , PubMed: <a href="#">8997401</a> ). 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).
<b>Cellular Location</b>	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}

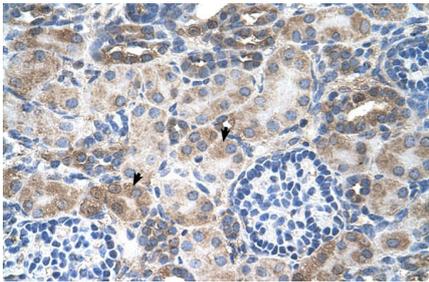
## Tissue Location

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

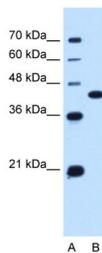
## References

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.

## Images



Human kidney



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.