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SLC14A1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12878

Product Information

Application	WB, IHC
Primary Accession	Q13336
Other Accession	NM_015865, NP_056949
Reactivity	Human, Mouse, Pig, Goat, Dog, Horse, Bovine, Sheep
Predicted	Human, Pig, Goat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42528

Additional Information

Gene ID	6563
Alias Symbol	FLJ33745, FLJ41687, HUT11, HsT1341, JK, RACH1, UT-B1, UT1, UTE
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.

Protein Information

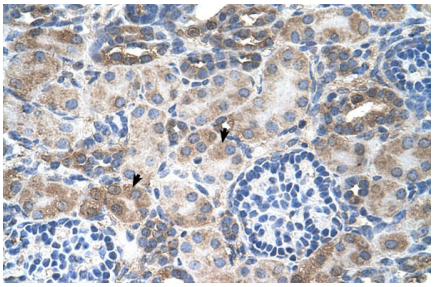
Name	SLC14A1
Synonyms	HUT11, JK, RACH1, UT1, UTE
Function	Mediates the transport of urea driven by a concentration gradient across the cell membrane of erythrocytes (PubMed:10514515, PubMed:7797558, PubMed:7989337, PubMed:8997401). Also mediates the transport of urea across the cell membrane of the renal 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).

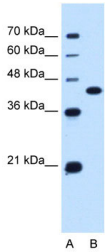
References

Inoue,H.,Am.J.Physiol.,CellPhysiol.287(1),C30-C35(2004)ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



Human kidney



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

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