

For Research Use Only

# SLC14A2 Polyclonal antibody

Catalog Number: 21932-1-AP



## Basic Information

<b>Catalog Number:</b> 21932-1-AP	<b>GenBank Accession Number:</b> BC110445	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8170	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> solute carrier family 14 (urea transporter), member 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 920 aa, 101 kDa	
<b>Immunogen Catalog Number:</b> AG16561	<b>Observed MW:</b> 43, 101 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, human brain tissue
<b>Species Specificity:</b> human	

## Background Information

SLC14A2, also known as human urea transporter -2 (HUT2), is the human homolog of UT-A2 and the only kidney-specific urea transporter cloned in humans. Urea transport in the kidney is mediated by a family of transporter proteins, including renal urea transporters (UT-A) and erythrocyte urea transporters (UT-B). UT-A proteins expressed in the kidney play a critical role in generating the hypertonic medulla, which is an integral component of the urinary concentrating mechanism (PMID: 11590132, 11880324). The 4.2-kb hUT-A1 cDNA encodes a 920-amino acid peptide, which is 89% identical to the rat UT-A1 protein (PMID: 11502588).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

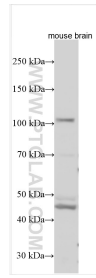
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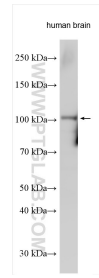
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21932-1-AP (SLC14A2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 21932-1-AP (SLC14A2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.