

For Research Use Only

URAT1 Polyclonal antibody

Catalog Number:14937-1-AP

Featured Product

84 Publications



Basic Information

Catalog Number:

14937-1-AP

Size:

150ul , Concentration: 573 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6770

GenBank Accession Number:

BC053348

GeneID (NCBI):

116085

UNIPROT ID:

Q96S37

Full Name:

solute carrier family 22 (organic anion/urate transporter), member 12

Calculated MW:

60 kDa

Observed MW:

65-70 kDa, 40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse heart tissue, pig kidney tissue, mouse kidney tissue, rat heart tissue, rat kidney tissue

IHC : mouse kidney tissue,

Background Information

Human urate anion exchanger (URAT1), also known as SLC22A12, is a urate transporter located in the proximal tubules of human kidney and responsible for urate reabsorption. Defects in gene encoding URAT1 cause hypouricemia renal type 1 (RHUC1). This antibody recognizes the native and glycosylated URAT1 between 65 and 70 kDa as well as the truncated 40kDa protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Lei Zhang	34610527	Phytomedicine	WB
Yan Huang	36387593	Curr Res Food Sci	WB
Linjiang Zhong	36334387	Phytomedicine	WB,

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

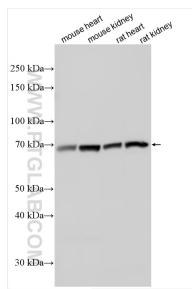
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

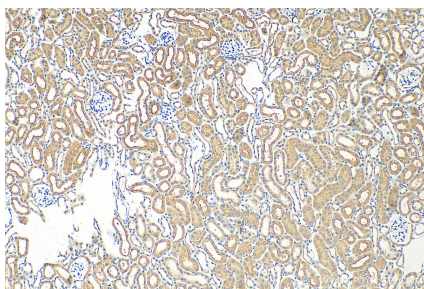
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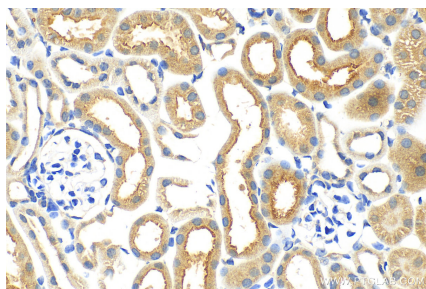
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14937-1-AP (URAT1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14937-1-AP (URAT1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14937-1-AP (URAT1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).