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Datasheet for ABIN670821

## anti-SLC22A8 antibody (AA 31-110)

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### Overview

Quantity:	100 µL
Target:	SLC22A8
Binding Specificity:	AA 31-110
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human OAT-3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	SLC22A8
Alternative Name:	OAT-3 ( <a href="#">SLC22A8 Products</a> )
Background:	Synonyms: OAT3, Solute carrier family 22 member 8, Organic anion transporter 3, hOAT3,

## Target Details

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SLC22A8

Background: Plays an important role in the excretion/detoxification of endogenous and exogenous organic anions, especially from the brain and kidney. Involved in the transport basolateral of steviol, fexofenadine. Transports benzylpenicillin (PCG), estrone-3-sulfate (E1S), cimetidine (CMD), 2,4-dichloro-phenoxyacetate (2,4-D), p-amino-hippurate (PAH), acyclovir (ACV) and ochratoxin (OTA).

Gene ID: 9376

UniProt: [Q8TCC7](#)

## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

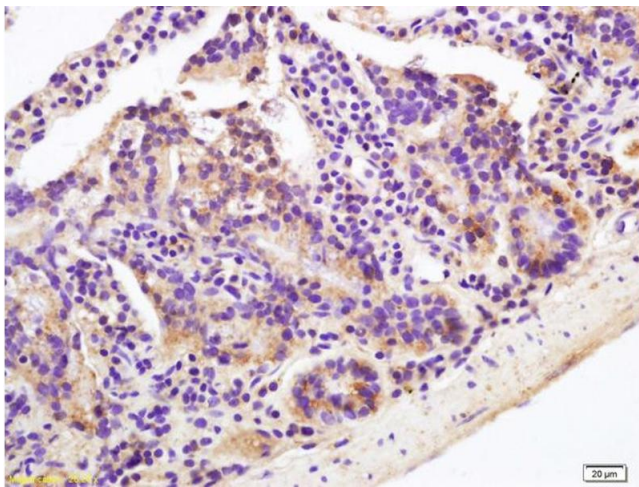
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Product cited in: Zhu, Dong, Na, Han, Wei, Chen: "Saponins extracted from Dioscorea collettii rhizomes regulate the expression of urate transporters in chronic hyperuricemia rats." in: **Biomedicine & pharmacotherapy**, Vol. 93, pp. 88-94, (2017) ([PubMed](#)).

Enoki, Watanabe, Arake, Sugimoto, Imafuku, Tominaga, Ishima, Kotani, Nakajima, Tanaka, Matsushita, Fukagawa, Otagiri, Maruyama: "Indoxyl sulfate potentiates skeletal muscle atrophy by inducing the oxidative stress-mediated expression of myostatin and atrogen-1." in: **Scientific reports**, Vol. 6, pp. 32084, (2016) ([PubMed](#)).

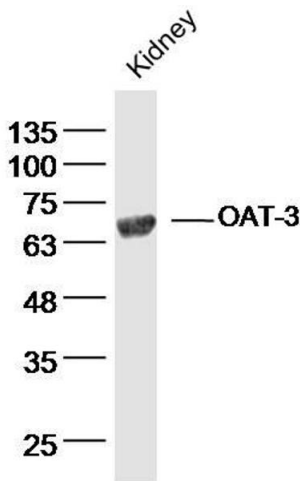
Zhou, Yu, Zhang, Liu, Lu: "Total saponins from *Discorea nipponica* ameliorate urate excretion in hyperuricemic mice." in: **Planta medica**, Vol. 80, Issue 15, pp. 1259-68, (2014) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse intestine labeled with Rabbit Anti OAT-3 Polyclonal Antibody, Unconjugated (ABIN670821) at 1:200 followed by conjugation to the secondary antibody and DAB staining



**Image 2.** Mouse kidney lysates probed with OAT-3 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.