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Datasheet for ABIN6259832

## anti-AGXT2 antibody (Internal Region)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	AGXT2
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGXT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	A synthesized peptide derived from human AGXT2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	AGXT2 Antibody detects endogenous levels of total AGXT2.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

#### Target Details

Target:	AGXT2
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## Target Details

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Alternative Name:	AGXT2 ( <a href="#">AGXT2 Products</a> )
Background:	Description: Can metabolize asymmetric dimethylarginine (ADMA) via transamination to alpha-keto-delta-(NN-dimethylguanidino) valeric acid (DMGV). ADMA is a potent inhibitor of nitric-oxide (NO) synthase, and this activity provides mechanism through which the kidney regulates blood pressure. Gene: AGXT2
Molecular Weight:	57 kDa
Gene ID:	64902
UniProt:	<a href="#">Q9BYV1</a>
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

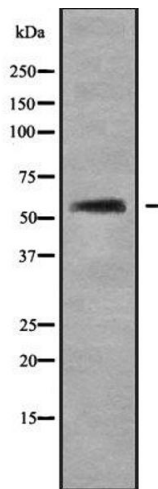
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Application Notes:	WB 1:1000-3000, IHC 1:200, IF/ICC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

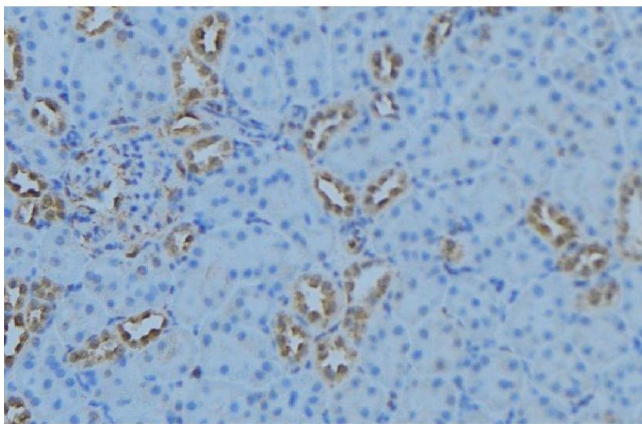
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



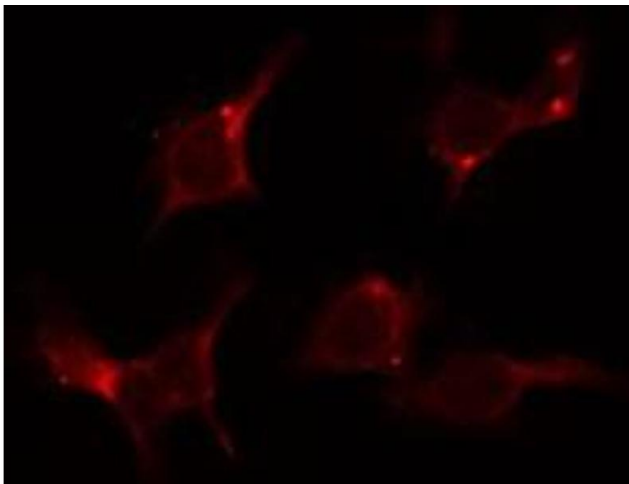
### Western Blotting

**Image 1.** Western blot analysis of AGXT2 using COLO205 whole cell lysates



### Immunohistochemistry

**Image 2.** ABIN6279098 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Immunofluorescence (fixed cells)

**Image 3.** ABIN6279098 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody