Datasheet for ABIN2777059

anti-DAO antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	DAO (ABP1)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Pig, Cow, Horse, Dog, Guinea Pig, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DAO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ABP1
Sequence:	QFLHNNENIE NEDLVAWVTV GFLHIPHSED IPNTATPGNS VGFLLRPFNF
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against ABP1. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	DAO (ABP1)

Target Details

Alternative Name:	ABP1 (ABP1 Products)
Background:	ABP1 is a membrane glycoprotein that is expressed in many epithelium-rich and/or hematopoietic tissues and oxidatively deaminates putrescine and histamine. The protein may play a role in controlling the level of histamine and/or putrescine in these tissues. It also binds to and is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels.This gene encodes a membrane glycoprotein that is expressed in many epithelium-rich and/or hematopoietic tissues and oxidatively deaminates putrescine and histamine. The protein may play a role in controlling the level of histamine and/or putrescine in these tissues. It also binds to and is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Alias Symbols: ABP, AOC1, DAO, DAO1, KAO, ABP1 Protein Interaction Partner: DAO, DNM2, FGD1, Protein Size: 751
Molecular Weight:	83 kDa
Gene ID:	26
NCBI Accession:	NM_001091, NP_001082
UniProt:	P19801

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 751 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

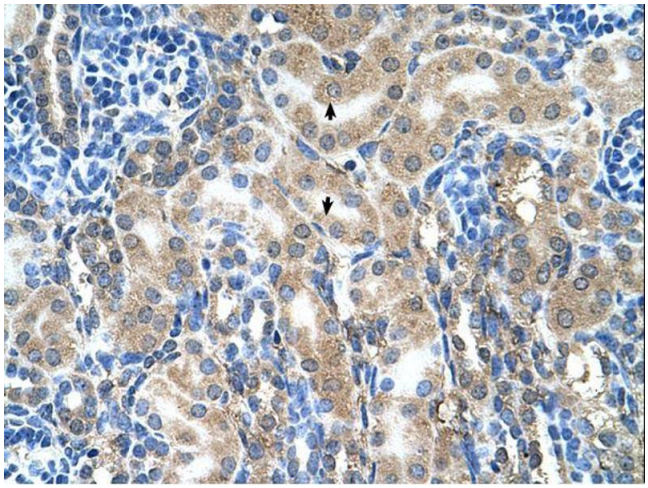
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

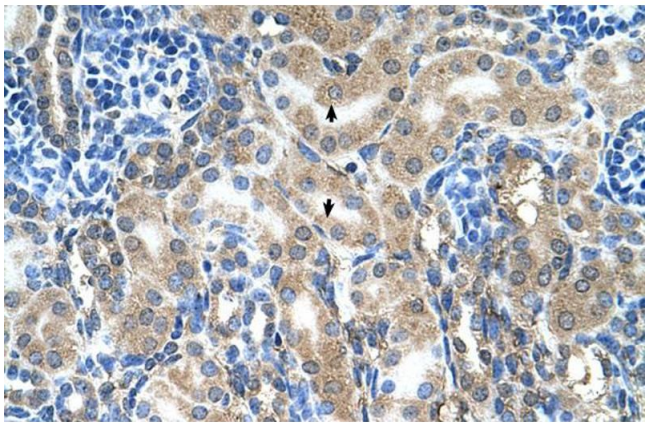
Product cited in:	Coyne, Gambling, Boucher, Carson, Johnson: "Role of claudin interactions in airway tight junctional permeability." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 285, Issue 5, pp. L1166-78, (2003) (PubMed).

Validation report #102749 for Immunohistochemistry (IHC)



Immunohistochemistry

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Rabbit Anti-ABP1 Antibody ,Paraffin Embedded Tissue: Human Kidney

Cellular Data: Epithelial cells of renal tubule

Antibody Concentration: 4.0-8.0 µg/mL

Magnification:.00X

Western Blotting

Image 3. WB Suggested Anti-ABP1 Antibody Titration: 1 ug/ml Positive Control: HepG2 cell lysate