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Datasheet for ABIN2786234

anti-ATP6V0D2 antibody (Middle Region)

1 Image

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Overview

Quantity:	100 µL
Target:	ATP6V0D2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Rabbit, Guinea Pig, Dog, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0D2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V0D2
Sequence:	GLRLLAQAED FDQMKNVADH YGVYKPLFEA VGGSGGKTLE DVFYEREVQM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V0D2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ATP6V0D2
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Target Details

Alternative Name:	ATP6V0D2 (ATP6V0D2 Products)
Background:	<p>ATP6V0D2 is the subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system.</p> <p>ATP6V0D2 may play a role in coupling of proton transport and ATP hydrolysis.</p> <p>Alias Symbols: ATP6D2, FLJ38708, VMA6</p> <p>Protein Interaction Partner: AGO3, RBM15B, RPS3, NDUFB8, ADRM1,</p> <p>Protein Size: 350</p>
Molecular Weight:	40 kDa
Gene ID:	245972
NCBI Accession:	NM_152565 , NP_689778
UniProt:	Q8N8Y2
Pathways:	Transition Metal Ion Homeostasis , Proton Transport

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 350 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 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.

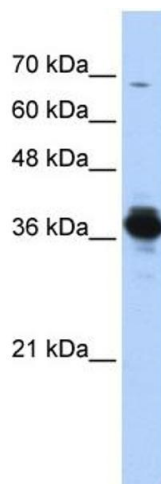
Publications

Product cited in:

Schauer, Freund, Prenni, Curthoys: "Proteomic profiling and pathway analysis of the response of rat renal proximal convoluted tubules to metabolic acidosis." in: **American journal of physiology. Renal physiology**, Vol. 305, Issue 5, pp. F628-40, (2013) ([PubMed](#)).

Freund, Prenni, Curthoys: "Response of the mitochondrial proteome of rat renal proximal convoluted tubules to chronic metabolic acidosis." in: **American journal of physiology. Renal physiology**, Vol. 304, Issue 2, pp. F145-55, (2013) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-ATP6V0D2 Antibody

Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Transfected 293T