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Datasheet for ABIN656224

## anti-ATP6V1B1 antibody (C-Term)

### 2 Images

#### Overview

Quantity:	400 µL
Target:	ATP6V1B1
Binding Specificity:	AA 472-501, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This ATP6V1B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-501 amino acids from the C-terminal region of human ATP6V1B1.
Clone:	RB31053
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	ATP6V1B1
Alternative Name:	ATP6V1B1 ( <a href="#">ATP6V1B1 Products</a> )
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that

## Target Details

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mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of two V1 domain B subunit isoforms and is found in the kidney. Mutations in this gene cause distal renal tubular acidosis associated with sensorineural deafness. [provided by RefSeq].

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Molecular Weight: 56833

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Gene ID: 525

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NCBI Accession: [NP\\_001683](#)

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UniProt: [P15313](#)

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Pathways: [Sensory Perception of Sound](#), [Transition Metal Ion Homeostasis](#), [Proton Transport](#)

## Application Details

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Application Notes: WB: 1:1000. IHC-P: 1:10~50

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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Preservative: Sodium azide

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

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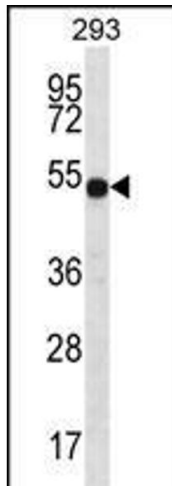
Storage: 4 °C, -20 °C

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Storage Comment: ATP6V1B1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

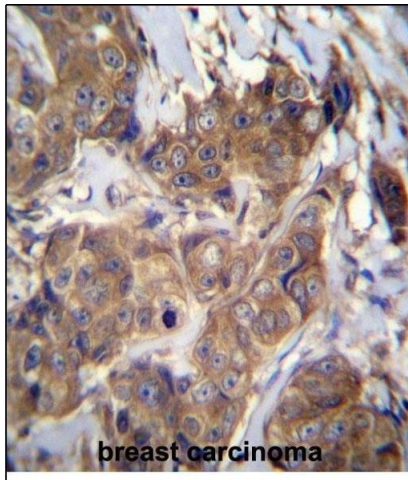
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Expiry Date: 6 months



### Western Blotting

**Image 1.** ATP6V1B1 Antibody (C-term) (ABIN656224 and ABIN2845541) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the ATP6V1B1 antibody detected the ATP6V1B1 protein (arrow).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** ATP6V1B1 Antibody (C-term) (ABIN656224 and ABIN2845541) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ATP6V1B1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.