Datasheet for ABIN655485

anti-ATP6V1B1 antibody (AA 284-310)

3 Images

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Overview

Quantity:	400 µL
Target:	ATP6V1B1
Binding Specificity:	AA 284-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ATP6V1B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-310 amino acids from the Central region of human ATP6V1B1.
Clone:	RB24864
Isotype:	IgG
Predicted Reactivity:	B, M, Rat, E, C, D
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATP6V1B1

Target Details

Alternative Name:	ATP6V1B1 (ATP6V1B1 Products)
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that 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].
Molecular Weight:	56833
Gene ID:	525
NCBI Accession:	NP_001683
UniProt:	P15313
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

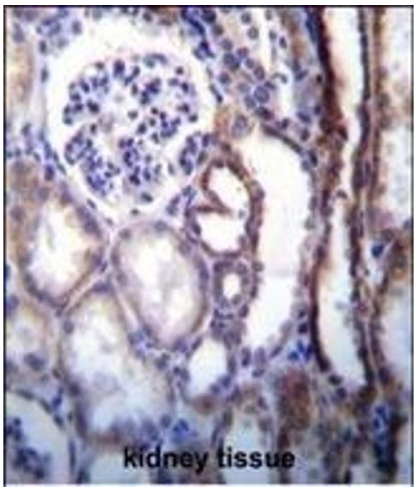
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

Handling

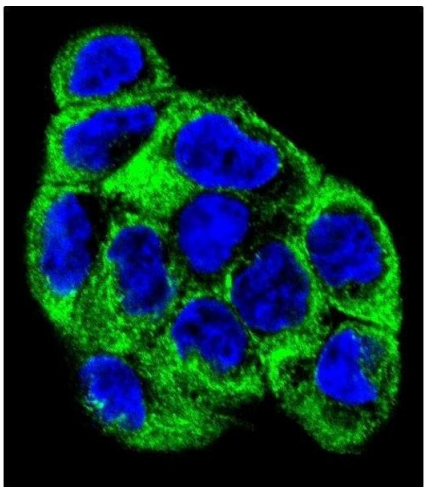
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



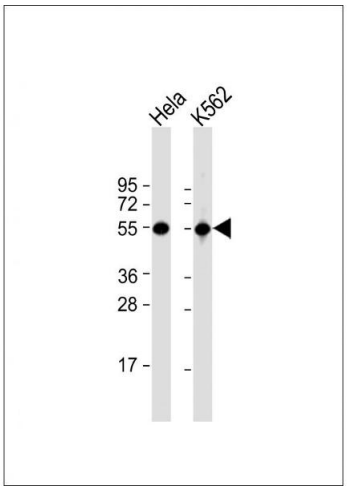
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ATP6V1B1 Antibody (Center) (ABIN655485 and ABIN2845006) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ATP6V1B1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of ATP6V1B1 Antibody (Center) (ABIN655485 and ABIN2845006) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. All lanes : Anti-ATP6V1B1 Antibody (Center) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.