Datasheet for ABIN950566

anti-ATP6V0B antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	ATP6V0B
Binding Specificity:	AA 111-139, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V0B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 111-139 amino acids from the Central region of human ATP6V0B
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ATP6V0B.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ATP6V0B

Target Details

Alternative Name:	ATP6V0B (ATP6V0B 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 part of the transmembrane V0 domain and is the human counterpart of yeast VMA16. Two alternatively spliced transcript variants that encode different proteins have been found for this gene.Synonyms: ATP6F, HATPL, V-ATPase 21 kDa proteolipid subunit, V-type proton ATPase 21 kDa proteolipid subunit, Vacuolar proton pump 21 kDa proteolipid subunit
Gene ID:	533
NCBI Accession:	NP_001034546
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

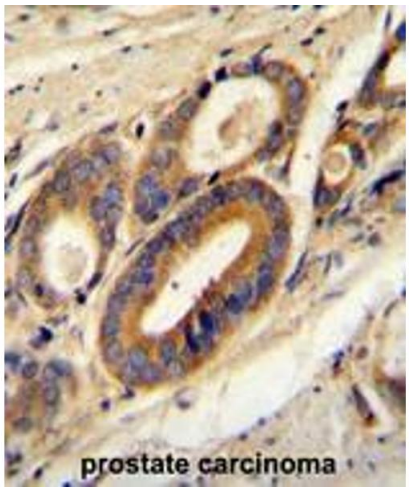
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
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 freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ATP6V0B Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ATP6V0B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. ATP6V0B Antibody (Center) western blot analysis in U251 cell line lysates (35µg/lane).This demonstrates the EKI2 antibody detected the EKI2 protein (arrow).