Datasheet for ABIN5514460

anti-ATP6V1E1 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	ATP6V1E1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1E1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human VATE1
Sequence:	IEQEANEKAE EIDAKAEEEF NIEKGRLVQT QRLKIMEYYE KKEKQIEQQK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against VATE1. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	ATP6V1E1
Alternative Name:	VATE1 (ATP6V1E1 Products)

Target Details

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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain E subunit isoforms. Pseudogenes for this gene have been found in the genome. Alias Symbols: ATP6V1E1, ATP6E, ATP6E2, Protein Interaction Partner: UBC, SAMHD1, ATP6V1G1, ZNF827, SFXN1, TMEM43, SLC30A5, SUGP1, ZFR, ATP6V1H, ATP6V1D, TCIRG1, ALYREF, PPIF, SCAMP3, SCO2, ATP6V1F, VAPA, LAMTOR3, PICALM, YES1, XPNPEP1, TYMS, THY1, SSBP1, SRSF3, S100A10, YBX1, CD55, ABCC2, ATP6V0A1, ATP6V1C1, ATP6V1B2, ATP Protein Size: 226
Gene ID:	529
NCBI Accession:	NP_001687
UniProt:	P36543
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

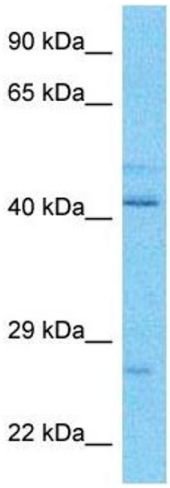
Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

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

Images



Western Blotting

Image 1. Host: Rabbit Target Name: VATE1 Sample Type: OVCAR-3 Whole Cell lysates Antibody Dilution: 1.0ug/ml