

Human V type proton ATPase 116 kDa subunit a isoform 1 (ATP6V0A1) ELISA Kit | ATP6V0A1 elisa kit

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CATALOG # AAA246653	REACTIVITY Human
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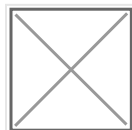
PRODUCT SYNONYMS

V type proton ATPase 116 kDa subunit a isoform 1 (ATP6V0A1); Human V type proton ATPase 116 kDa subunit a isoform 1 (ATP6V0A1) ELISA Kit; ATP6V0A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP6V0A1. No significant cross-reactivity or interference between ATP6V0A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP6V0A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP6V0A1 elisa kit	Intended Uses: This ATP6V0A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP6V0A1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ATP6V0A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP6V0A1 antibody and an ATP6V0A1-HRP conjugate. The assay sample and buffer are incubated together with ATP6V0A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP6V0A1 concentration since ATP6V0A1 from samples and ATP6V0A1-HRP conjugate compete for the anti-ATP6V0A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP6V0A1 from the sample, fewer sites are left to bind ATP6V0A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP6V0A1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATP6V0A1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	59803038
NCBI GeneID	535
Molecular Weight	96,600 Da
NCBI Official Full Name	V-type proton ATPase 116 kDa subunit a isoform 1
NCBI Official Synonym Full Names	ATPase, H+ transporting, lysosomal V0 subunit a1
NCBI Official Symbol	ATP6V0A1
NCBI Official Synonym Symbols	a1; Stv1; VPP1; Vph1; ATP6N1; ATP6N1A
NCBI Protein Information	V-type proton ATPase 116 kDa subunit a isoform 1; V-ATPase 116 kDa; vacuolar proton pump subunit 1; vacuolar proton pump, subunit 1; vacuolar-type H(+)-ATPase 115 kDa subunit; vacuolar adenosine triphosphatase subunit Ac116; vacuolar proton translocating ATPase 116 kDa subunit A; H(+)-transporting two-sector ATPase, 116 kDa accessory protein A1; clathrin-coated vesicle/synaptic vesicle proton pump 116 kDa subunit; ATPase, H+ transporting, lysosomal non-catalytic accessory protein 1 (110/116kD); ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD)
UniProt Protein Name	V-type proton ATPase 116 kDa subunit a isoform 1
UniProt Gene Name	ATP6V0A1
UniProt Synonym Gene Names	ATP6N1; ATP6N1A; VPP1; V-ATPase 116 kDa isoform a1
UniProt Entry Name	VPP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/v-type-proton-atpase-116-kda-subunit-a-isoform-1-atp6v0a1/246653>