

Human ATPase, H⁺ transporting, lysosomal V0 subunit a2 ELISA Kit | ATP6V0A2 elisa kit

Human V-type proton ATPase 116 kDa subunit a isoform 2, ATP6V0A2 ELISA Kit

CATALOG #
AAA18098

REACTIVITY
Human

PRODUCT SYNONYMS

ATPase; H⁺ transporting; lysosomal V0 subunit a2; Human V-type proton ATPase 116 kDa subunit a isoform 2; ATP6V0A2 ELISA Kit; Human V-type proton ATPase 116 kDa subunit a isoform 2 (ATP6V0A2) ELISA kit; A2; ARCL; ATP6A2; ATP6N1D; J6B7; RTF; STV1; TJ6; TJ6M; TJ6S; VPH1; WSS; A2V-ATPase; lysosomal V0 subunit A2; regeneration and tolerance factor; v-ATPase 116 kDa; v-type proton A; ATP6V0A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ATP6V0A2. No significant cross-reactivity or interference between human ATP6V0A2 and analogues was observed.
Sequence Length	856
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	< 7.81 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP6V0A2 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ATP6V0A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ATP6V0A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATP6V0A2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ATP6V0A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42741679
NCBI GeneID	23545
NCBI Accession #	NP_036595.2
NCBI GenBank Nucleotide #	NM_012463.3
UniProt Accession #	Q9Y487; Q6NUM0; A8K026
Molecular Weight	98,082 Da
NCBI Official Full Name	V-type proton ATPase 116 kDa subunit a isoform 2
NCBI Official Synonym Full Names	ATPase, H+ transporting, lysosomal V0 subunit a2
NCBI Official Symbol	ATP6V0A2
NCBI Official Synonym Symbols	A2; RTF; TJ6; WSS; ARCL; J6B7; STV1; TJ6M; TJ6S; VPH1; ARCL2A; ATP6A2; ATP6N1D
NCBI Protein Information	V-type proton ATPase 116 kDa subunit a isoform 2; A2V-ATPase; v-ATPase 116 kDa; regeneration and tolerance factor; v-type proton ATPase 116 kDa subunit a; lysosomal H(+)-transporting ATPase V0 subunit a2; vacuolar proton translocating ATPase 116 kDa subunit a
UniProt Protein Name	V-type proton ATPase 116 kDa subunit a isoform 2
UniProt Gene Name	ATP6V0A2
UniProt Synonym Gene Names	V-ATPase 116 kDa isoform a2
UniProt Entry Name	VPP2_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/atp6v0a2-human-elisa-kits/atpase-h-transporting-lysosomal-v0-subunit-a2/18098>