Human ATPase, H+ Transporting, Lysosomal Accessory Protein 2 (ATP6AP2) ELISA Kit | ATP6AP2 elisa kit

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CATALOG #	REACTIVITY
AAA68515	**Human**

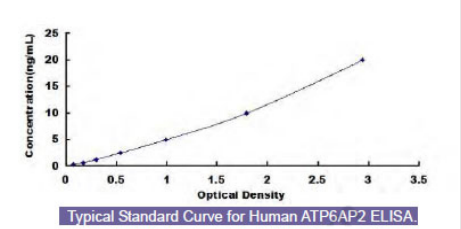
PRODUCT SYNONYMS

ATPase; H+ Transporting; Lysosomal Accessory Protein 2 (ATP6AP2); Human ATPase; Lysosomal Accessory Protein 2 (ATP6AP2) ELISA Kit; ATP6IP2; CAPER; ELDF10; XMRE; Renin/prorenin receptor; Embryonic liver differentiation factor 10; Vacuolar ATP synthase membrane sector-associated protein M8-9; ATP6AP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP6AP2. No significant cross-reactivity or interference between ATP6AP2 and analogues was observed.
Sequence Length	350
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	<0.112ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP6AP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATP6AP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP6AP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ATP6AP2 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATP6AP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ATP6AP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ATP6AP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ATP6AP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15011918
NCBI GeneID	10159
NCBI Accession #	NP_005756.2
NCBI GenBank Nucleotide #	NM_005765.2
UniProt Accession #	O75787; Q5QTQ7; Q6T7F5; Q8NBP3; Q8NG15; Q96FV6; Q96LB5; Q9H2P8; Q9UG89; B7Z9I3
Molecular Weight	35,612 Da
NCBI Official Full Name	renin receptor
NCBI Official Synonym Full Names	ATPase H+ transporting accessory protein 2
NCBI Official Symbol	ATP6AP2
NCBI Official Synonym Symbols	PRR; M8-9; MRXE; RENR; XMRE; XPDS; HT028; MRXSH; ELDF10; ATP6IP2; MSTP009; APT6M8-9; ATP6M8-9
NCBI Protein Information	renin receptor
UniProt Protein Name	Renin receptor
UniProt Gene Name	**ATP6AP2**
UniProt Synonym Gene Names	ATP6IP2; CAPER; ELDF10; ATP6M8-9; V-ATPase M8.9 subunit

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/atpase-h-transporting-lysosomal-accessory-protein-2-atp6ap2/68515