

Human Uncoupling Protein 2, Mitochondrial (UCP2) ELISA Kit | UCP2 elisa kit

Human Uncoupling Protein 2, Mitochondrial (UCP2) ELISA Kit

CATALOG #
AAA64381

REACTIVITY
Human

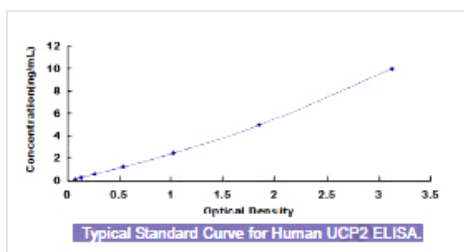
PRODUCT SYNONYMS

Uncoupling Protein 2; Mitochondrial (UCP2); Human Uncoupling Protein 2; Mitochondrial (UCP2) ELISA Kit; SLC25A8; UCPH; Solute carrier family 25 member 8; UCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of UCP2. No significant cross-reactivity or interference between UCP2 and analogues was observed.
Sequence Length	309
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UCP2 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 UCP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UCP2 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UCP2 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UCP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UCP2. 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 UCP2, 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 UCP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	13259541
NCBI GeneID	7351
NCBI Accession #	NP_003346.2
NCBI GenBank Nucleotide #	NM_003355.2
UniProt Accession #	P55851; Q4PJH8; Q53HM3
Molecular Weight	33,229 Da
NCBI Official Full Name	mitochondrial uncoupling protein 2
NCBI Official Synonym Full Names	uncoupling protein 2
NCBI Official Symbol	UCP2
NCBI Official Synonym Symbols	UCPH; BMIQ4; SLC25A8
NCBI Protein Information	mitochondrial uncoupling protein 2
UniProt Protein Name	Mitochondrial uncoupling protein 2
UniProt Gene Name	UCP2
UniProt Synonym Gene Names	SLC25A8; UCP 2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/uncoupling-protein-2-mitochondrial-ucp2/64381>